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Final Report

DEVELOPMENT OF AIR FORCE FLIGHT SAFETY MODELS

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Volume 6

C-141

AIRCRAFT

April 1976

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Prepared for

SERVICE ENGINEERING DIVISION
SAN ANTONIO AIR LOGISTICS CENTER
Kelly Air Force Base, Texas

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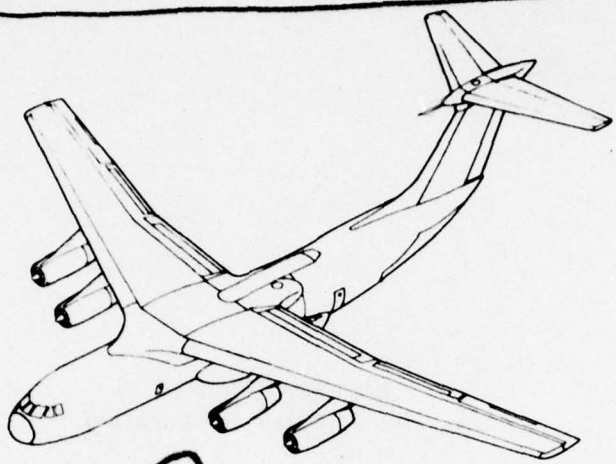

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ABSTRACT

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A general description of the Flight Safety Prediction Technique, and the documentation associated with its specific application to the C-141 aircraft, are presented.

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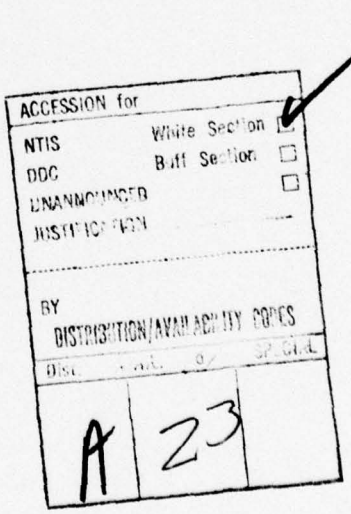

GLOSSARY

This glossary presents general definitions of terms used in this report. The reader will find certain of these terms defined in somewhat different words in the text, depending on the context of the discussion; but the meaning will be consistent with the definitions given here.

Criticality	– A numerical index of the significance of equipment failure history relative to aircraft safety. As an analysis parameter, it can be considered proportional to the likelihood that an item will fail and thereby cause an accident. It is the product of the failure probability and the sensitivity of an equipment item.
Dependency	– See link dependency.
FSPT	– Flight Safety Prediction Technique
Flight Phases	– Discrete segments of the aircraft mission profile. For present purposes, the flight phases are defined as 1) startup and taxi, 2) takeoff, 3) climb, 4) cruise, 5) tactics, 6) cruise, 7) descend, 8) land, and 9) taxi and shutdown.
Functional Analysis	– The determination of equipment relationships to aircraft functions performed, and the interrelationships of these functions.
Functional Link	– The simplest form of functional relationship in which one function is dependent upon the next lower function.
Functional Path	– The compilation of functional links, in sequence, through which a function is identified as being dependent upon another.
Link Dependency	– The conditional probability of a dependent function failing, given that a particular function it is dependent upon has failed.
Provisory Condition	– Operation of an aircraft in a mode or environment such that the safety-related importance of certain equipments is increased. Provisory conditions include icing, night flight, supersonic flight, etc.
Provisory Factor	– The probability that a provisory condition exists. Also used to describe the coded notation used to indicate that a functional relationship is dependent on a particular provisory condition.
Safety Sensitivity	– Same as "sensitivity".

Sensitivity – A quantitative indication of the degree of safety degradation to be expected if a function or piece of equipment fails. The more specific terms are "functional sensitivity" or "equipment item sensitivity".

Sensitivity Path – A particular sequence of functional dependencies (beginning at the top level in the hierarchical structure) through which a function or piece of equipment derives a sensitivity value. Equipment and functional sensitivity values are often derived through several such sensitivity paths.

FOREWORD

This document is part of a 16-volume report describing the application to specific aircraft types of ARINC Research Corporation's Flight Safety Prediction Technique (FSPT). The technique was developed under previous Air Force contracts (see Appendix A). The present effort, undertaken in 1972 under Contract F09603-72-A-1132-SA01, has led to further refinement of the FSPT through its broad application to many different types of aircraft. The flight safety models generated for these aircraft are presented in individual volumes of this report as follows:

Volume	Aircraft	Volume	Aircraft
2	T-38	10	B-52G, H
3	F-111A, FB-111A	11	C-130E
4	A-7D	12	KC-135
5	F-4D, E; and RF-4C	13	C-5A
6	C-141	14	T-39
7	A-37	15	F-15
8	O-2	16	UH-1N Helicopter
9	OV-10		

Volume 16 will document the results of a feasibility study of extending the FSPT to rotary-wing aircraft.

Volume 1, an overall summary of the contractual effort, will be issued at the end of the contract period.

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1
INTRODUCTION

The Flight Safety Prediction Technique developed by ARINC Research Corporation provides for assessment of the impact on flight safety of the failure of specific items of equipment within an aircraft. In the FSPT, mathematical modeling procedures are applied for processing aircraft-equipment failure data to yield a quantified index ranking safety-related problems on the basis of their likelihood of occurrence and the resulting degradation in the aircraft's capability to fly.

The ranking factor is called "criticality", which in its simplest form is the product of the failure probability and flight-safety sensitivity of an equipment. (A more detailed definition appears in Section 2 and Appendix B.) The failure probability inputs are from basic failure-data sources, AFM 66-1 and 65-110. The sensitivity estimates are derived by the following process:

a. Systematic analysis of aircraft functions to determine those essential to flight safety

b. Identification of the hardware required to perform these functions

c. Evaluation of the safety significance of the hardware in performing these essential aircraft functions.

The criticality values resulting from this approach provide a relative ranking of all malfunctions with respect to their safety significance. Figure 1-1 is a simplified example of how three equipment items would be ranked on the combined basis of their failure probability and safety sensitivity. This figure illustrates an example in which item A has the highest failure probability, but due to the low sensitivity value is ranked below item B in criticality.

The methodology has the ability to rank malfunction problems currently and continuously by their accident potential. This ranking, based on criticality assessment, can provide the basic parameters necessary for:

a. Identifying equipment items whose failure history and application pose a threat to aircraft safety

b. Quantifying the degree of threat associated with each equipment item

c. Evaluating and tracking the effectiveness of modifications to the aircraft

d. Assessing safety benefits versus the cost of proposed aircraft modifications, changes in maintenance or flight operations, or alternative aircraft designs.

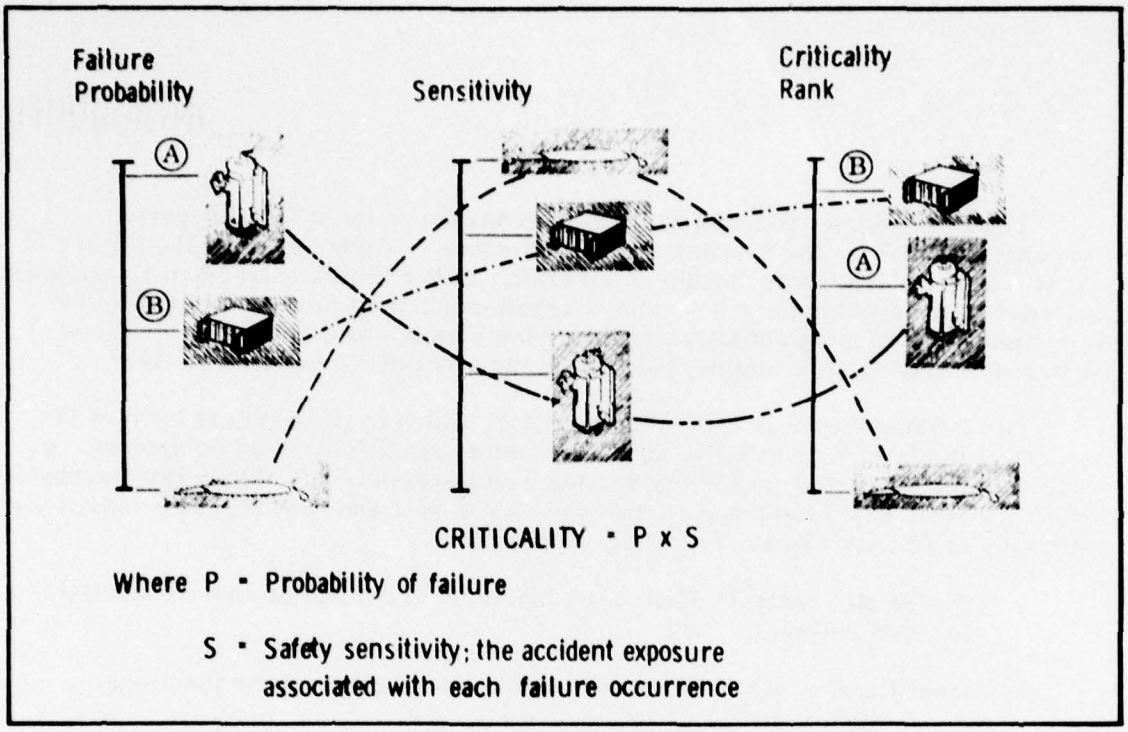


Figure 1-1. Example of Criticality Ranking Process

In this report, Section 4 and Appendix D pertain specifically to the C-141 aircraft. The remainder of the document provides support information that will make the C-141 data, and the method by which the data were obtained, more meaningful to the general reader.

Section 2 presents an overview of the development and utilization of the Flight Safety Prediction Technique; Section 3 discusses the steps associated with generating a safety model for calculating the safety criticality of various equipments of an aircraft; and Section 4 describes how the safety model for the C-141 aircraft was developed. Appendix A summarizes the contractual history of the development of the FSPT; Appendix B discusses mathematical considerations underlying the technique; Appendix C discusses FSPT documentation for methods; and Appendix D presents functional relationship diagrams for a listing of keypunch cards that comprise the safety model documentation for the C-141 aircraft.

2
METHODOLOGY UNDERLYING FSPT

This section discusses the basic definitions and mathematical concepts associated with the Flight Safety Prediction Technique.

2.1 DEFINITION OF SAFE AIRCRAFT

To develop a relative measure of aircraft safety degradation resulting from specific equipment malfunctions, it is first necessary to define a "safe" aircraft. For purposes of the FSPT assessments, an aircraft is assumed to be in a safe condition if it is operating within its prescribed performance limits. Conversely, an aircraft operating (or about to operate) outside these limits is considered to be unsafe – in a condition where property damage and personal injury may result.

The safety prediction methodology does not attempt to assess the extent of possible personal injury or aircraft damage resulting from an unsafe condition. Neither does the concept consider ejection capability, parachutes, life rafts, etc., which do not make an aircraft safer per se but provide for the survivability of the aircrew when the aircraft is unsafe. Collision is also excluded from consideration because of the complexity of the interrelationships between pilot, aircraft equipment, ground surveillance, and traffic density.

2.2 MATHEMATICAL BASIS OF FSPT

The probability of an accident caused by the failure of an element can be expressed as the probability of the element failing multiplied by the conditional probability that the failure of the element will cause an accident. Stated in equation form:

$$P(A, j) = P(j)P(A|j) \tag{1}$$

where

$P(A, j)$ = Probability of an accident due to failure of just the j^{th} element*

$P(j)$ = Probability that element j fails

$P(A|j)$ = Probability of an accident given that the j^{th} element fails.

This equation reflects the basic relationships addressed in the FSPT where:

a. The criticality of the j^{th} element is an estimate of $P(A, j)$

b. The sensitivity of the j^{th} element is an estimate of $P(A|j)$

*In this and subsequent discussions, unless otherwise stated, expressions such as "failure of the j^{th} element" should be interpreted to mean: failure of only the j^{th} element, assuming all other elements are not failed.

Because an element's effect on safety may depend on the mission phase (see Section 3.2.1), the above model can be expanded to:

$$P(A,j)' = \sum_{k=1}^{N} P_{j,k}\, P(A|j,k) \qquad (2)$$

where

N = Number of mission phases

$P_{j,k}$ = Probability that the j^{th} element is failed in the k^{th} phase

$P(A|j,k)$ = The j^{th} element's sensitivity in the k^{th} phase.

To identify the importance of discrete elements to aircraft safety, a flight profile consisting of nine distinct phases was defined. The phases are discussed in Section 3.2.1.

To utilize equation 2, it was necessary to develop a method for obtaining the values of $P(A|j,k)$, the probability that a malfunction in element j during mission phase k will result in an accident. This method in turn requires the estimation of two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on subfunctions and elements during each such phase*. Each function and equipment item thus derives its sensitivity value from its relationship to the major function(s) dependent upon it.

2.3 SENSITIVITY ASSIGNMENTS

A great deal of information is available on the causes of aircraft accidents, but little exists from which to make the sensitivity assignments $[P(A|j)]$. These assignments are therefore largely subjective, based on the analyst's knowledge of the system and any information he may have on previous accident history. The sensitivity assigments are reviewed (and revised as necessary) by an Air Force/contractor team working on a particular model to ensure that consistent criteria have been followed. The team review and negotiation of sensitivity assignments is the mechanism by which the value becomes sufficiently objective for use with the model. This negotiation considers all of those top level functions as a group and reassigns sensitivity values as necessary to assure that the most objective proportionality is attained for the particular aircraft model. The same major-function sensitivity values are used for major functions on all aircraft models where configuration and mission profiles permit.

The development of criticality rankings for the various elements (j's) is dependent upon the ability to quantify the failure probability $[P(j)]$ and the element sensitivity $[P(A|j)]$ for each element. Since the intent of the concept is to provide a relative safety ranking of all malfunctions, it is not necessary to develop absolute

*For a more detailed discussion of the mathematics of the FSPT, see Appendix B.

values for $P(A|j)$. If the sensitivity values developed are correct relative to each other, a proper criticality ranking will be established. It is intended that criticality be an index proportional to $P(A,j)$ and therefore provide the same relative rank ordering of elements. The major reasons for proportionality, rather than equality, are:

a. The FSPT does not account for the effect of extraordinary pilot intervention to prevent an accident in case of equipment malfunction.

b. Criticality quantification was limited in its treatment of simultaneous occurrence of independent, primary failures.

c. Operational and malfunction data yield only a proportional estimate of the required information.

While strict proportionality cannot be mathematically proven, it is believed that the criticality rankings provide reasonable relative measures of equipment problem potential.

3
MODEL DEVELOPMENT

Figure 3-1 summarizes the approach to the assessment of flight-safety criticality of aircraft equipment. The first contractor activity is the identification of all functions the aircraft is expected to perform and the determination of their interrelationships. Next, each functional relationship is documented; and then sensitivity assignments are made at the major functional levels (below these levels, link dependency values are estimated; see discussion, Section 3.2.2). This process is carried out until each work unit code associated with a major function has been identified with respect to the function performed and dependencies have been estimated. Computer processing calculates the safety sensitivity for each work unit coded item, combines these values with the operation and failure data input by the Air Force, and produces the equipment criticality ranking.

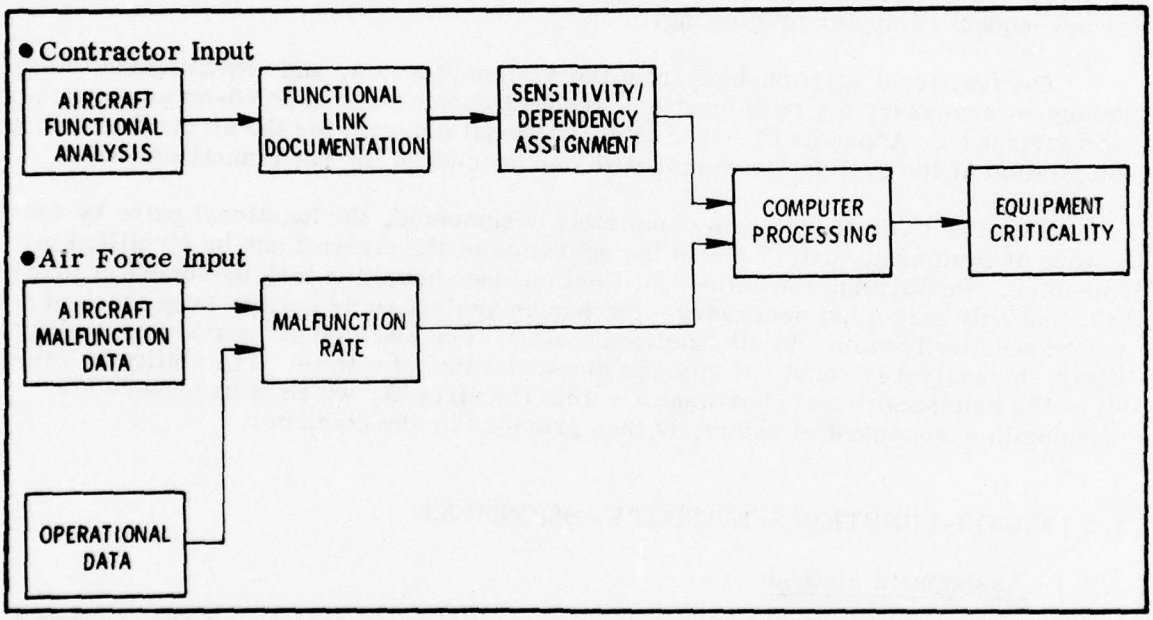


Figure 3-1. Activities and Data Inputs to Flight Safety Criticality Assessment

The steps in this process are discussed in greater detail in the following sections.

3.1 FUNCTIONAL ANALYSIS

Functional analysis entails the systematic identification of the relationships of hardware to the functions performed by the aircraft and documented in the aircraft technical orders. Tabulated for each aircraft function are the equipments necessary for its performance as well as all outputs required for other systems. The complexity of the functional interdependencies of an aircraft requires the use of a systematic

accounting procedure, as discussed below, to assure that all relationships have been identified and that no functional paths have been overlooked.

Certain top-level functions (comprised of both "primary" and "major" functions) have been defined as applicable to all aircraft types, and serve as the starting point for a safety analysis. Figure 3-2 lists these top level functions with the primary function of Flight Control expanded to show its typical major functions. Below the major function level, differences in aircraft types result in function identification and structuring specifically suited to each aircraft. In Figure 3-2, for instance, the major function Roll Control is subdivided into Left Roll and Right Roll, and further into aileron and spoiler actuation subfunctions. This structure is that applicable to an F-4 aircraft, in which ailerons have an extremely limited upward travel and lift is primarily lost through spoiler operation. Finally, each item in the aircraft WUC ("-06") manual is identified with respect to the function it performs.*

Every function and every WUC included in the model receives an "alpha designator" unique to that aircraft model. Due to the large number of alpha designators required in a model, an indenturing system is utilized to prevent duplication. However, the location in the hierarchical structure and the number of characters in the alpha designators are often independent, since such correlation is not necessary for subsequent computer processing.

The functional relationships from the system diagram, and identification of the equipment necessary for each function, are next documented in an 80-column punchcard format (see Appendix C). The total functional diagram for the aircraft is then a compilation of the system diagrams, with one punchcard for each functional link.

With the aircraft functions completely documented, the functional paths by which a piece of equipment contributes to the operation of the aircraft can be identified by computer. Performing the path-identification/documentation task by computer proves to be not only useful but necessary – the human analyst could neither keep track of nor assign sensitivity values to all functional paths. The machine processing capability allows the analyst to consider only one functional link at a time. The ability to follow all of the functional interrelationships within the aircraft, which is necessary for meaningful assessment of safety, is then provided by the computer.

3.2 MAJOR-FUNCTION SENSITIVITY ASSIGNMENT

3.2.1 Assignment Method

As stated earlier, the sensitivity of a function or equipment item is an estimate of the probability that its failure will cause an accident. From functional analysis of the aircraft under consideration, major functions are identified and are assigned sensitivity values for each phase of the mission.

*Certain WUC items in the "-06" manual may not be included in the safety model, these items being either 1) eliminated by TCTOs; 2) purely structural items in the 11000 series; 3) necessary only for survivability or ejection; 4) of lower indenture than the LRU level, where computer data screening eliminates failure reports.

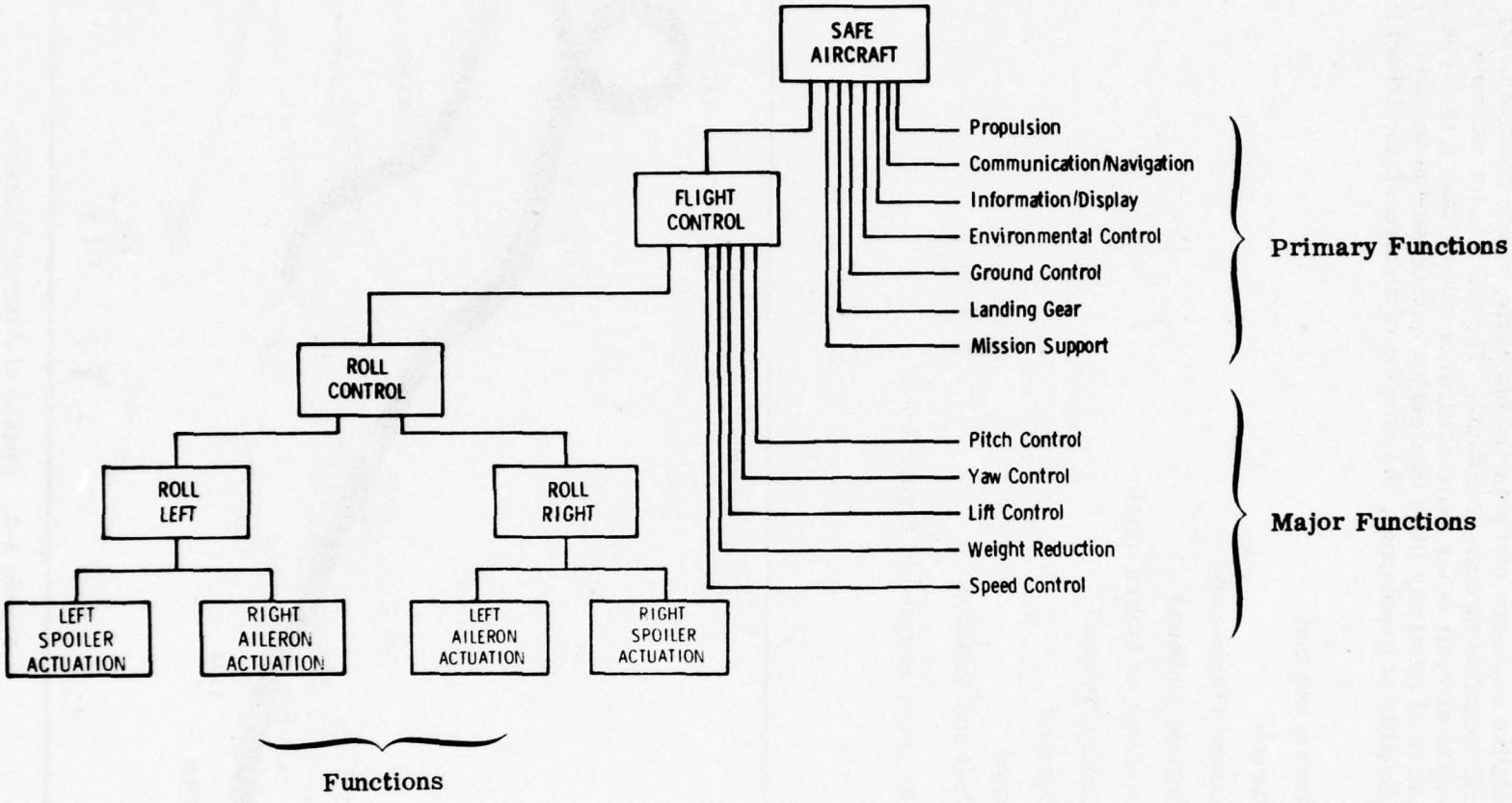


Figure 3-2. Hierarchical Structure of Aircraft Functions

The relative importance of primary functions, major functions, and functions is not necessarily constant throughout a flight. The failure, for example, of one engine of a multi-engine aircraft is far more critical on takeoff than it is during the rest of the flight, and is of relatively little importance during startup and taxi. To accommodate this variability of importance, the mission of an aircraft is divided into nine flight phases:

1. Startup and taxi
2. Takeoff
3. Ascend (climb-out)
4. Cruise, outbound
5. Intercept or tactical phase
6. Cruise, inbound
7. Descend
8. Land
9. Taxi and shutdown

These phases are illustrated in Figure 3-3.

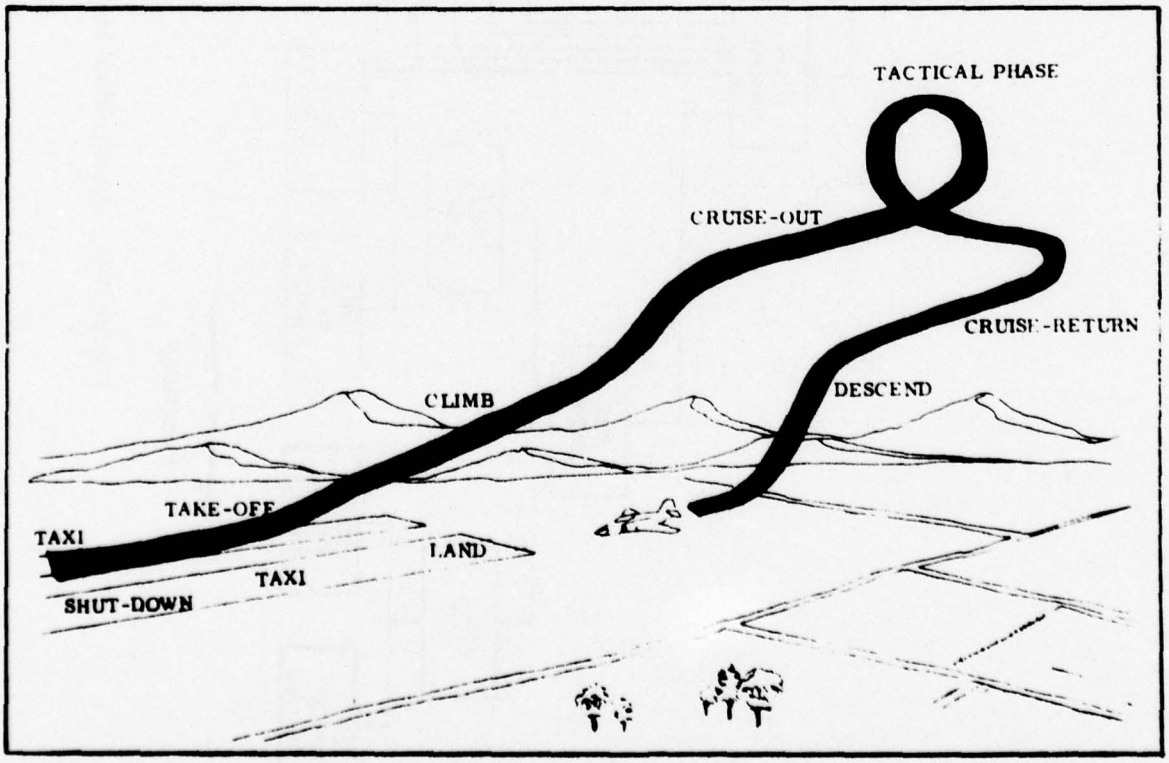


Figure 3-3. Phases of Aircraft Mission

A sensitivity value is assigned for each of the phases, and represents the best estimate of the likelihood that the aircraft will enter a hazardous mode if the function is not present in that phase. The numerical values assigned are proportional rather than absolute, and range from 0.0 to 1.0. The keypunch card format limits this assignment to increments of 0.1. Increments smaller than 0.1, when required, were assigned by defining a quasi-function for insertion between the major function and its dependent primary function.

3.2.2 Link Dependency Assignment

"Link dependency" is defined as the probability that the loss of a function will result in the loss of a dependent function. (For a more detailed discussion of this term, see Appendix B.) The assignment of link dependency values requires knowledge of the operation of specific aircraft because it is concerned only with functional levels below the "major" category. At this lower level, no evaluation is made of the impact on flight safety of the loss of functions. Instead, the effect of the loss of one function on the performance of another function becomes the evaluation criterion. Like sensitivities, link dependency values are assigned in increments of 0.1. Additionally, the method of attenuation used in assigning sensitivity values can also be applied to link dependencies.

3.2.3 Provisory Factors

The sensitivity of major functions with respect to aircraft safety, and at the lower levels the link dependency between functions, can be dependent on external influences and aircraft operating conditions. To accommodate these external influences, a set of provisory factors has been identified. An example would be a windshield anti-ice system, which has a safety sensitivity close to 1.0 during landing under icing conditions but a negligible effect on a dry, warm day.

Under such circumstances, the procedure is to assign the "worst case" value (assuming the condition exists). During model exercise the likelihood that the condition exists can be "read-in", thereby allowing the sensitivity value to be assigned by the computer based on the likelihood of the condition and the probability that the higher level function will therefore be lost. Table 3-1 lists the standard provisory factors used in FSPT models.

3.2.4 Computer Processing

Documentation of a flight safety analysis by ARINC Research thus consists of functional diagrams, coded functional tabulations, a functional data processing card deck, and a machine-prepared printout of the card deck data. Under this contract, the documentation is then sent to San Antonio Air Logistics Center for review by MMER personnel and representatives of the Air Logistics Center responsible for the particular aircraft (if other than SA/ALC).

SA/ALC processes the functional data card deck utilizing a number of computerized operations. First, a functional deck edit is accomplished to identify certain format or logic errors that may exist. Next, a path identification/documentation run is made that traces all possible paths associated with each function and calculates the numerical sensitivities by flight phase down to the WUC level. Then, a path combination run is made taking into account the dependence of more than one major function on a particular WUC. Finally, failure information from the 66-1 data system and numerical factors for provisory conditions are input and a WUC criticality list by rank order is generated by the computer.

TABLE 3-1. PROVISORY FACTOR CODES

Code	Provisory Condition
A	Icing conditions
B	Adverse speed/altitude operations (Helicopter)
C	Runway stopping distance/confined area (Helicopter)
D	Night operation
E	IFR conditions
F	Supersonic flight
G	Rain
H	Solo flight
I	Loss of function for which indication is provided
K	Normal system failed
T	Flame-out
X	Fire
Y	Cold weather
2	One of three available units is required
3	Two of three available units are required
4	One of four available units is required
5	Two of four available units are required
6	Three of four available units are required
8	Four of eight available units are required

An additional product generated by the computer is a two-part criticality trend analysis. Part I contains the criticality rankings and linear regression analysis by WUC for the previous 12 months. Part II contains plots of the criticalities and regression lines for the 25 WUCs top-ranked according to safety criticality.

3.2.5 Model Maintenance

Each time an aircraft type for which a safety model has been developed undergoes a modification, the effects of the changes on the model must be evaluated. Technical order and WUC revisions must be incorporated into the model. Removal of existing hardware, the installation of new hardware, or design improvements may change link dependencies and sensitivity assignments. The update procedure should follow the same general steps as outlined for the initial analysis effort.

Existing block diagrams and a printout of the functional card deck form the baseline for change identification. Functional relationships should be reviewed to determine the impact of changes on the documented safety analysis. Diagrams should be revised to reflect functional differences, WUC changes should be noted, and all differences listed on a flight-safety functional tabulation sheet. The functional deck printout can be used for manual indication of what the changes are and where they occur. New data cards are prepared and the functional deck updated by the removal of obsolete cards and the insertion of new cards. From this point on, the computer is again utilized to edit the functional deck, perform path identification/documentation, and calculate sensitivities for each WUC.

Block diagrams and other affected portions of the specific aircraft safety analysis report should be updated and revised pages issued that reflect these changes. Maintaining an accurate and updated model is important to obtaining an accurate assessment of the safety significance of hardware failures.

4
C-141 MODEL DEVELOPMENT

The FSPT model for the C-141 aircraft was begun in December 1972. The total aircraft documentation was submitted for "GO-95" computer edit at SA/ALC in May 1973.

The aircraft flight manual and maintenance technical orders provided the information on aircraft system operation. The model developed represents C-141 aircraft configured to the latest time compliance technical orders (TCTOs) documented in the manuals supplied by SA/ALC. Table 4-1 lists the manuals and their revision status applicable to the developed model.

TABLE 4-1. C-141 SYSTEM DOCUMENTATION

Nomenclature	Title	Revision/Date
1C-141A-1	Flight Manual	Change 15, 1 February 1973
1C-141A-1-1	Performance Data	Change 8, 1 May 1972
1C-141A-2-2	Ground Handling, Servicing, and Aircraft Maintenance	Change 11, 1 May 1972
1C-141A-2-3	Pneudraulics	Change 9, 1 May 1972
1C-141A-2-4	Power Plant	Change 4, 15 February 1972
1C-141A-2-5	Fuel System	Changed 15 April 1971
1C-141A-2-6	Instruments	Change 12, 1 May 1974
1C-141A-2-7	Electrical System	Change 10, 1 May 1972
1C-141A-2-9	Flight Control System	Change 11, 1 May 1972
1C-141A-2-12	Landing Gear	Change 8, 1 May 1972
1C-141A-06	Work Unit Code Manual	Basic, 1 December 1972

Because of the vulnerability of the functional logic/sensitivity documentation to such errors as omission of links, duplication of cards, and incorrect keypunching, quality reviews were conducted at various critical points in the model development. In addition to keypunch verification, each card was checked against the functional link shown on the original rough draft and the final functional diagram and the diagrammed link was checked off. Missing or duplicated functional links were thus identified. Work unit codes used in the model were checked off against the WUC manual to assure completeness.

The quality reviews were first conducted prior to computer verification of the aircraft deck by SA/ALC. Following computer verification, a second quality review was performed by representatives of Warner Robins ALC and ARINC Research. Finally, the first criticality printout obtained from application of actual aircraft data was reviewed to identify any terms whose sensitivity appeared to be unreasonable. In such cases the paths were traced manually and changes made if an erroneous relationship was found.

Appendix C presents the methods and standard used in documenting an FSPT aircraft model. Appendix D presents the FSPT documentation for the C-141 aircraft.

APPENDIX A

HISTORICAL SUMMARY OF FSPT

HISTORICAL SUMMARY OF FSPT

In 1965, the desirability and practicability of quantifying the significance of specific equipment malfunctions relative to flight safety was explored in a feasibility study conducted by ARINC Research Corporation for the Air Force. The feasibility of a safety-quantification approach, which has subsequently become known as Flight Safety Prediction Technique (FSPT), was demonstrated; and the method was developed and refined in a series of studies, as follows:

Study Phase	Subject/Date	Sponsor*/Publication No.
I	Feasibility Study, September 1965 to June 1967 (Phase I)	Sacramento Air Materiel Area (SMNE), Contract AF09(603)62335, SM-67-2; publication 705-01-1-777
II-A	Technique Development, October 1967 to July 1968 (Phase II-A)	San Antonio Air Materiel Area (SANEW), Contract AF09(603)-67-A-0267-SA01; publication 734-01-1-895
II-B	Technique Development, July 1968 to July 1969 (Phase II-B)	San Antonio Air Materiel Area (SANEW), Contract F09(603)-68-A-0317-SA01; publication 754-01-1-985 (Revision 1)
	FSPT System Documentation for the F-4C and T-37 Aircraft, October 1970 to June 1971	San Antonio Air Materiel Area (MMER) Contract F41608-71-C-0576; publication 697-01-1-1118

In the Phase II-B study, the FSPT was applied to the F-106 aircraft. Concurrent with Phase II-B, the U.S. Naval Safety Center contracted ARINC Research to extend the methodology to produce a flight safety criticality model for the F-4J aircraft. The results of this effort are documented in ARINC Research Publication 753-01-3-982 (Revision 1).

In 1970, ARINC Research was contracted to develop suitable input data to permit the application of the technique to the T-37 and F-4C aircraft. These data were derived in the form of mathematical model functional documentation as input to the basic computer program developed and applied to the F-106.

In 1972, ARINC Research Corporation was awarded a contract, with the subsequent modifications in 1973 and 1974, to apply the Flight Safety Prediction Technique to 15 aircraft, working jointly with cognizant Air Logistics Centers. Aircraft to which the FSPT has been applied under this latter contract (F09603-72-A-1132-SA01) include:

a. T-38

b. F-111A and FB-111A

*The office symbols of Service Engineering at the Sacramento and San Antonio Air Materiel Areas are now SM/ALC/MME and SA/ALC/MME, respectively.

c. A-7D

d. F-4D, E; RF-4C

e. C-141

f. A-37

g. O-2

h. OV-10

i. B-52G, H

j. C-130E

k. KC-135

l. C-5A

m. T-39

n. F-15

o. UH-1N Helicopter*

*Feasibility study of adaptation of FSPT to rotary-wing aircraft.

APPENDIX B

FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE

FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE

To implement the basic safety model defined in Section 2.2, it is necessary to develop a submodel for the probability that a malfunction in element j during mission phase k will result in an accident. This submodel in turn requires that we estimate two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on element j during each mission phase.

The first parameter is termed "functional sensitivity" and is estimated for each major function. The functional analysis performed in this task established for an aircraft the following hierarchal scheme:

Aircraft

Primary functions

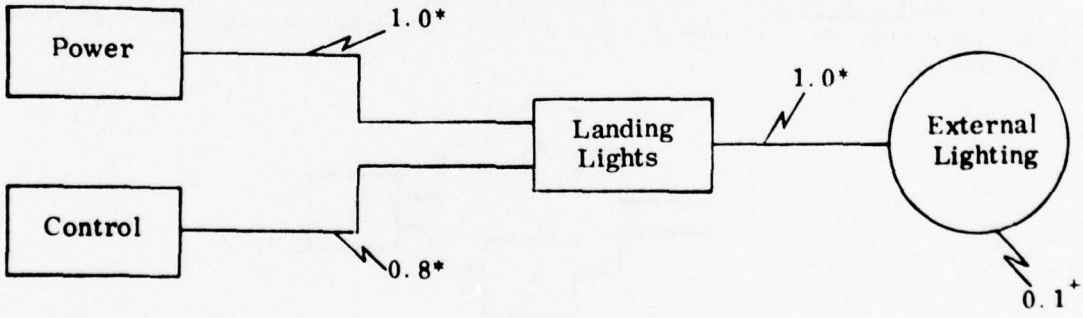
Major functions

Function

Elements (Work Unit Codes)

A primary function would be one such as Flight Control. Major functions under Flight Control would include Pitch Control and Yaw Control.

The second parameter, "link dependency," is a vehicle for showing the influence of each functional-path element on the performance of a major function. For example, if the major function being considered is External Lighting, the following diagram illustrates the nature of functional sensitivity and link dependency values.



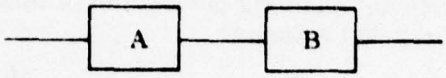
*Link dependencies
+Functional sensitivity

The 0.8 value means that failure of the Control function will result in loss of the Landing Light function 80% of the time. The 0.1 functional sensitivity value denotes that loss of external lighting will result in an accident 10% of the time. The values must be interpreted in a proportional sense, in that the actual accident probability is dependent upon external factors (see Section 3.2.3).

The remainder of this appendix discusses the procedures and model used to obtain element sensitivities; e.g., in the above example, the accident probability given that a Work Unit Code in the Control function malfunctions.

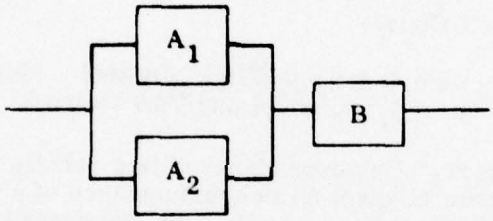
Three principal types of functional relationship--series, redundant, and parallel--were identified as representing the major forms to consider in modeling element sensitivity.

Series Relationship – A function having only one input. Schematically,



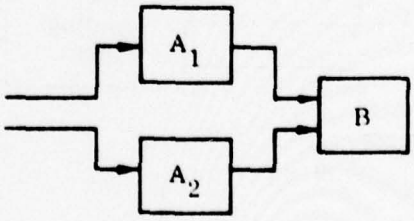
which indicates that outside of its own elements, the success of function B is only affected by the success of function A.

Functional Redundancy – A function having one or more backup functions that can provide the required inputs to successor functions. Schematically,



where A_1 and A_2 represent a functional redundancy in that either may provide the necessary input to B.

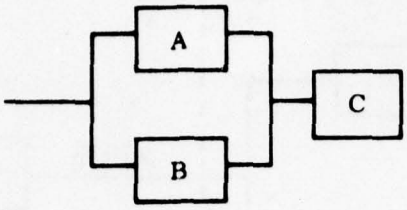
Parallel Functions – Two or more functions independent of each other in terms of functional success, but each of which may be required for a successor function. Schematically,



B will generally require both A_1 and A_2; but A_1 does not depend on A_2, nor does A_2 depend on A_1.

In some cases the distinction between functional redundancy and parallel paths is very slight, and may depend on mission phase. For example the four engines of a plane can be considered to be a redundant configuration providing inputs to the primary propulsion function during cruising, but would generally be considered to be parallel functions during takeoffs requiring full power.

In general, given a schematic relationship of the form,

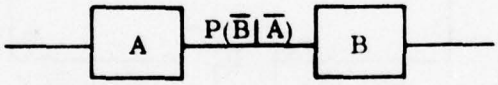


we can say that A and B are in a functionally redundant configuration if the success probability of C is the same if 1) A and B are successful, 2) A only is successful, or 3) B only is successful. If, for example, C is more likely to be successful if both A and B are successful, rather than A or B alone, then the relationship is one of parallel paths.

It is noted that the model will also account for element redundance and parallel elements through inputs such as $P(\overline{A}|i_a)$, representing the probability that the A^{th} function fails given that the i_a^{th} element in A has failed. If i_a is a parallel element, the probability would depend on mission requirements and other parallel-element states.

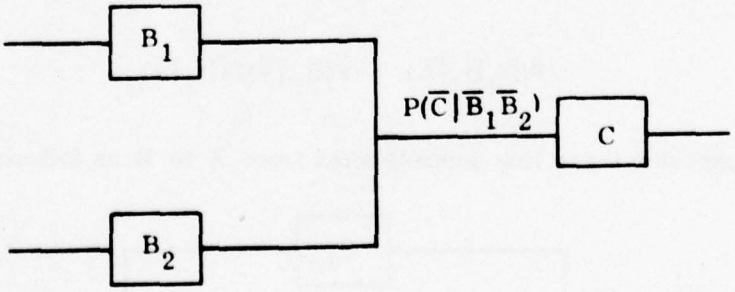
Link dependency is the conditional probability of a functional failure, given the failure of immediate predecessor functions. The link dependencies applicable to the three basic designs defined above are shown below.

Series Relationship

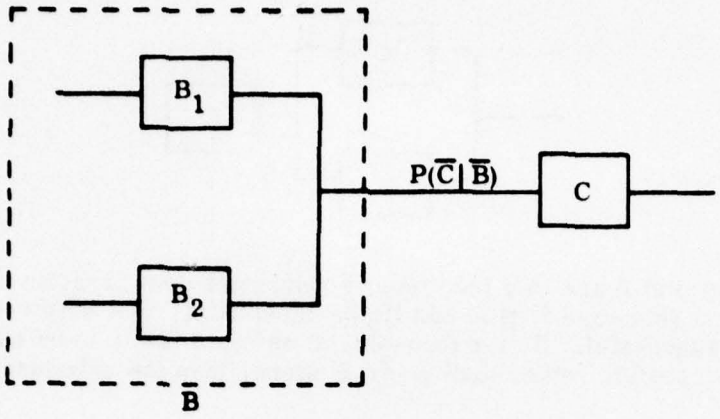


Link dependency = $P(\overline{B}|\overline{A})$ = probability that B fails given that A fails.

Functional Redundancy

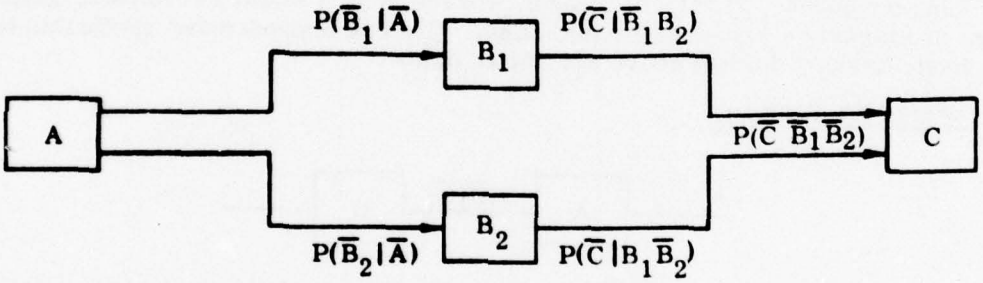


equivalent to



where $\bar{B} = \bar{B}_1\bar{B}_2$

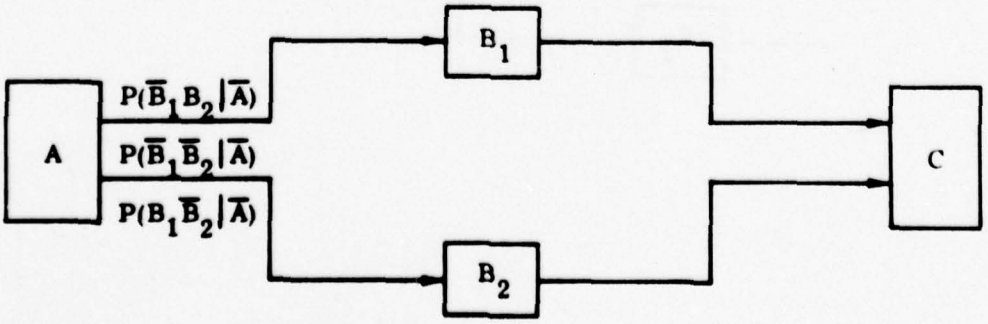
Parallel Functions



We shall generally assume that the dependencies of B_1 with respect to A, and of B_2 with respect to A, are independent of each other, so that

$$P(\bar{B}_1\bar{B}_2|\bar{A}) = P(\bar{B}_1|\bar{A})P(\bar{B}_2|\bar{A})$$

We then can consider three link dependencies from A to B as follows:



noting that

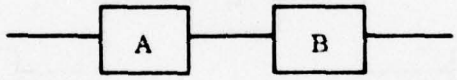
$$P(\overline{B}_1|\overline{A}) = P(\overline{B}_1 B_2|\overline{A}) + P(\overline{B}_1\overline{B}_2|\overline{A})$$

$$P(\overline{B}_2|\overline{A}) = P(B_1\overline{B}_2|\overline{A}) + P(\overline{B}_1\overline{B}_2|\overline{A})$$

Models are shown below for determining the sensitivity of elements within a function for each of the three basic designs. The following basic assumptions apply:

a. Except for cases where an element has a redundant or parallel counterpart or is located in a function with a redundant or parallel function, only the element under consideration shall be assumed to have failed initially. Thus the expression $P(\mathcal{A}|i_a)$, representing the accident probability given failure of the i^{th} Work Unit Code element, is based on the assumption that no other element has failed unless element i is in some redundant or parallel configuration. For cases in which there are redundant or parallel counterparts, failures of such counterpart elements or functions are considered in accordance with their occurrence probabilities.

b. The success of all immediate predecessors ensures the success of a function, provided that the function experiences no element failures. Thus for the series function relationship



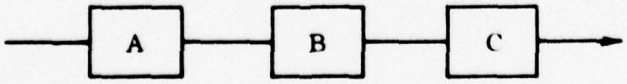
we assume

$$P(\overline{B}|A) = 0,$$

provided B experiences no element failures. If an element in function A is under consideration, the latter provision is always true by assumption "a."

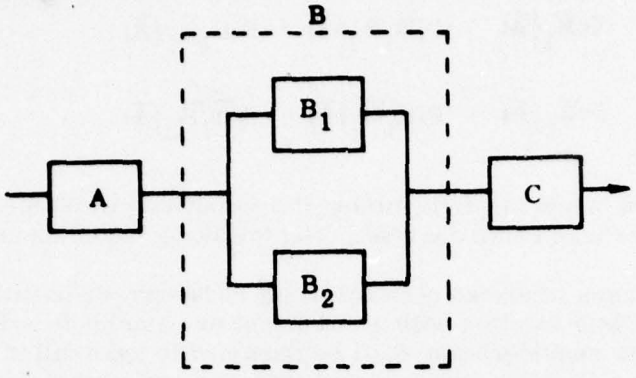
The element sensitivity models are:

<u>Series Relationship</u>



$$P(\mathcal{A}|i_a) = P(\overline{A}|i_a)\,P(\overline{B}|\overline{A})\,P(\overline{C}|\overline{B})\,P(\mathcal{A}|\overline{C})$$

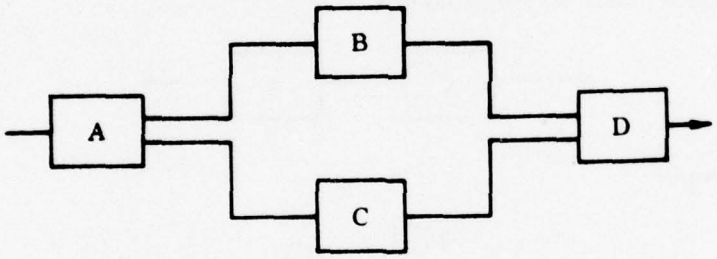
Functional Redundancy



$$P(\mathcal{A}|i_a) = P(\bar{A}|i_a)P(\bar{B}|\bar{A})P(\bar{C}|\bar{B})P(\mathcal{A}|\bar{C})$$

$$P(\mathcal{A}|i_{b1}) = P(\bar{B}_1|i_{b1})P(\bar{B}_2)P(\bar{C}|\bar{B})P(\mathcal{A}|\bar{C})$$

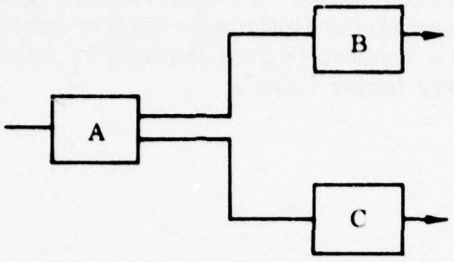
Parallel Functions



$$P(\mathcal{A}|i_a) = P(\bar{A}|i_a)\{P(\bar{B}C|\bar{A})P(\bar{D}|\bar{B}C) + P(B\bar{C}|\bar{A})P(\bar{D}|B\bar{C}) + P(\overline{B\bar{C}}|\bar{A})P(\bar{D}|\overline{B\bar{C}})\}P(\mathcal{A}|\bar{D})$$

$$P(\mathcal{A}|i_b) = P(\bar{B}|i_b)\{P(\bar{C}|i_b)P(\bar{D}|\bar{B}C) + P(C|i_b)P(\bar{D}|\bar{B}C)\}P(\mathcal{A}|\bar{D})$$

A case not explicitly incuded in the above three basic functional relationships is one for which a function is in two paths, e.g.,



then

$$P(\mathcal{A}|i_a) = P(\overline{C}|i_a)P(B|i_a)P(\mathcal{A}|\overline{C}B) + P(C|i_a)P(\overline{B}|i_a)P(\mathcal{A}|C\overline{B})$$

$$+ P(\overline{C}|i_a)P(\overline{B}|i_a)\{1 - P(\overline{\mathcal{A}}|\overline{C})P(\overline{\mathcal{A}}|\overline{B})\}$$

where it is assumed that the effects of loss of the major functions in accident occurrence are independent of each other.

Use of Numerical Provisory Factors for Partially Redundant Systems

The numerical provisory factors (see Table 3-1) are used where more than two identical functions are involved in a redundancy. For example, aircraft with more than two engines often have identical and independent systems for hydraulic pressurization, and for electrical power generation, one driven by each engine. If the aircraft can be operated safely with one or more of such systems in a failed state, one of the numeric codes is utilized in assigning link dependency values. Consider, for example, the following:

If N identical and independent units* are available and at least M are required for safe operation, where $0<M<N$, then the provisory factor of a given unit, say U_j, is the probability that the failure of U_j will cause the aircraft to enter an unsafe state. This is the probability that exactly M-1 of the remaining N-1 units will be in an unfailed state. This probability can be calculated by the formula for the binomial distribution, and is given by

$$P(U_j) = \binom{N-1}{M-1} p^{(M-1)} q^{(N-M)}$$

where $P(U_j)$ = probability that failure of the j^{th} unit will cause the aircraft to enter an unsafe state, and

M = Number of units required

N = Number of units available

p = Probability that a single unit will be in an unfailed state

q = Probability that a single unit will be in a failed state or (1-p)

*Units may be either elements, element assemblies, or functions.

Assignment of link dependencies to N identical and independent units of which only M are required proceeds as follows. The value assigned to each unit is the dependency of the higher level function on receiving an output from M of the units (usually 1.0). The provisory factor is the appropriate numeric code. In the evaluation of the path sensitivity, the computer is programmed to select the binomial formula that corresponds to the provisory factor listed.

APPENDIX C

FSPT DOCUMENTATION METHODS

FSPT DOCUMENTATION METHODS

Because of the extreme complexity of aircraft, it is necessary to develop a computerized method to identify and document all possible paths associated with each function as well as to determine the safety sensitivity associated with each path. A computer routine has been devised that takes the data from the functional card deck and traces and documents all paths. For each WUC, it also computes the flight-phase sensitivities for each path in which the WUC is present. The resulting computer printout provides a combined functional path sensitivity.

C.1 ALPHA CODING

As each system of the aircraft is functionally diagrammed, the functional blocks are assigned an "alpha code". This code aids the analyst in the bookkeeping tasks of functional diagramming and provides the computer with an identification of the elements to be processed. For standardization among aircraft, nine top-level functions have been defined and each has been assigned an initial or first-alpha designator. Each block in the functional diagram carries the same initial alpha as the top level function. Subsequent letters added to the initial alpha uniquely identify each block.

The only restrictions placed on the assignment of alpha codes are that:

a. All characters in a code must be a letter of the alphabet, and

b. The maximum number of characters in one code is seven.

C.2 ALPHA CODING AND COMPUTER PROGRAM COMPATIBILITY

Additional rules for alpha coding required to obtain the desired results from computer processing include:

a. When a WUC item operates in the same mode to perform more than one function, the same alpha code is used in each application.

b. When a WUC item operates in a different mode to perform each of more than one function, a different alpha designator is assigned for each operating mode.

C.3 FUNCTIONAL TABULATION

The "Flight Safety Functional Tabulation" sheet is used to code the safety model for keypunching. The sheets are coded as follows (refer to Figure C-1) for an example).

a. Columns 1 through 3. Used to identify the aircraft represented by the model. For certain aircraft modeled under this contract more than one model – designation series MDS – was included. For instance, a single functional deck was created for four MDSs of the F-4 aircraft. Cards with "F4Ø"* in columns 1-3 were common to all aircraft. For example,

*Ø = blank

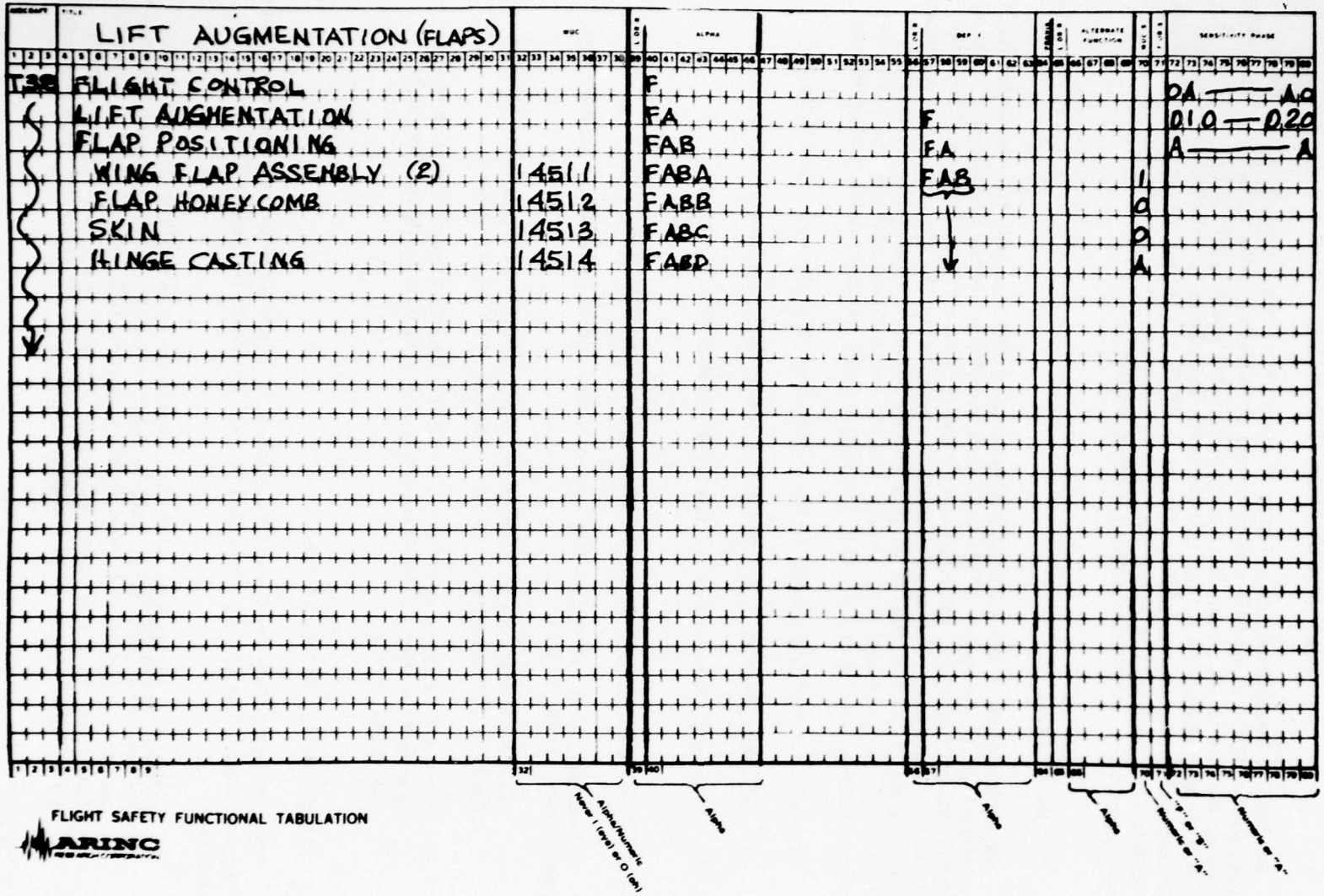


Figure C-1. Flight Safety Functional Tabulation

when these cards are combined with those carrying "F4E" in columns 1-3, then it produces an F-4E FSPT model deck.

b. Columns 4 through 31. Contain the title of the function or the WUC item.

c. Columns 32 through 36. Contain the left-justified WUC number.

d. Columns 37 and 38. Blank

e. Columns 39 through 46. Contain the assigned alpha designator for the function and/or the WUC. Column 39 contains either an L or an R, or is blank. The L and R designate left and right for those instances when the function and/or WUC pertains to the left or right side of the aircraft.

f. Columns 47 and 48. Blank.

g. Columns 49 through 55. Normally left blank, but are used after a deck is operational to substitute the data on a card for that stored in the computer by punching the line record number in this field.

h. Columns 56 through 63. Identify the dependent functions for either the function or specific WUCs being coded. Column 56 may contain L, R or blank for the same purpose as that of column 39.

i. Column 64. Contains the alphanumeric code of the "provisory factor" applicable to the link value assigned.

j. Columns 65 through 69. Contain the alpha designator of a function that is an alternate for the function being coded. (Column 65 is used for "L" or "R" as in Column 39.) The presence of the "alternate alpha" flags the importance of the link dependency as being affected by the success probability of the alternate function.

k. Column 70. Contains the work unit code dependency value (1 = 0.10; 2 = 0.20; ....A = 1.0). This value is applicable to all flight phases.

l. Column 71. Contains special instructions to the computer through the use of letters F, S, or being blank. Cards with an "S" or "blank" in column 71 are used in sensitivity computations. Cards with an "F" document a functional relationships which, although present in the system, would produce an erroneous sensitivity value when combined with other nonindependent paths (having the same function in common at some higher level). The "F" prevents the computer from including the link in the sensitivity calculations.

m. Columns 72 through 80. Contain functional dependencies for each of nine flight phases as described in Section 3.2.1 of the text. Coding is the same as for column 70.

C.4 DIAGRAM CONSTRUCTION

The diagrams produced under the contract document the functional interrelationship of the aircraft systems considered in the model. In the interest of extending the useful life of the diagrams, WUC items are not shown, thereby eliminating the necessity of updating the diagrams with each (and sometimes frequent) change to the WUC manual.

As discussed earlier in this report, the diagrams represent the hierarchal structure of the paths from which the sensitivity values are derived. The diagrams, although consistent with the system schematic and reliability block diagrams, are not equivalent due to this hierarchal method of documentation. In the actual system, signals and/or fluids pass from one component to the next and are thus documented in schematics; conversely, the hierarchal approach only identifies the components that must operate to achieve a given function, independent of the direction and/or sequence of signal flow. This approach directly addresses the system impact of a component failure without the necessity of identifying the intrasystem secondary failures. Each line connecting functions on the diagram is documented by a punchcard, with the lower function providing the "alpha designator" and the higher function's alpha designator indicator as the "dependent function".*

*The card deck also documents functional relationships not shown on the diagram; the work unit codes (mentioned earlier) and the "S" cards discussed in paragraph C.3.1.

APPENDIX D

FSPT DOCUMENTATION OF C-141 AIRCRAFT

FSPT DOCUMENTATION OF C-141 AIRCRAFT

This appendix contains the functional relationship diagrams and a listing of the keypunch cards that comprise the C-141 aircraft FSPT safety model documentation.

D.1 DIAGRAMS

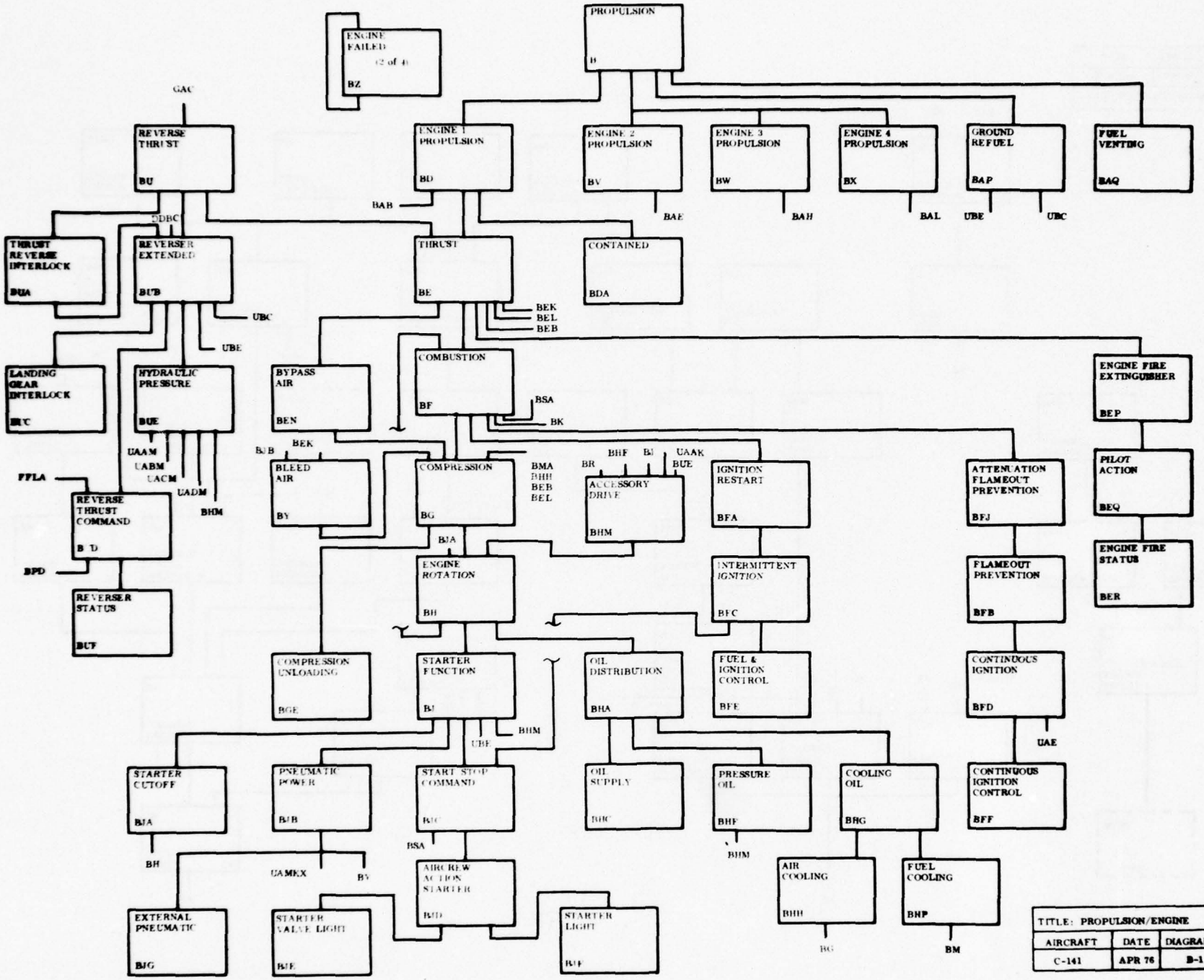
The diagrams illustrating the functional relationships considered in the C-141 safety model will be found on pages D-5 through D-33, and are listed below:

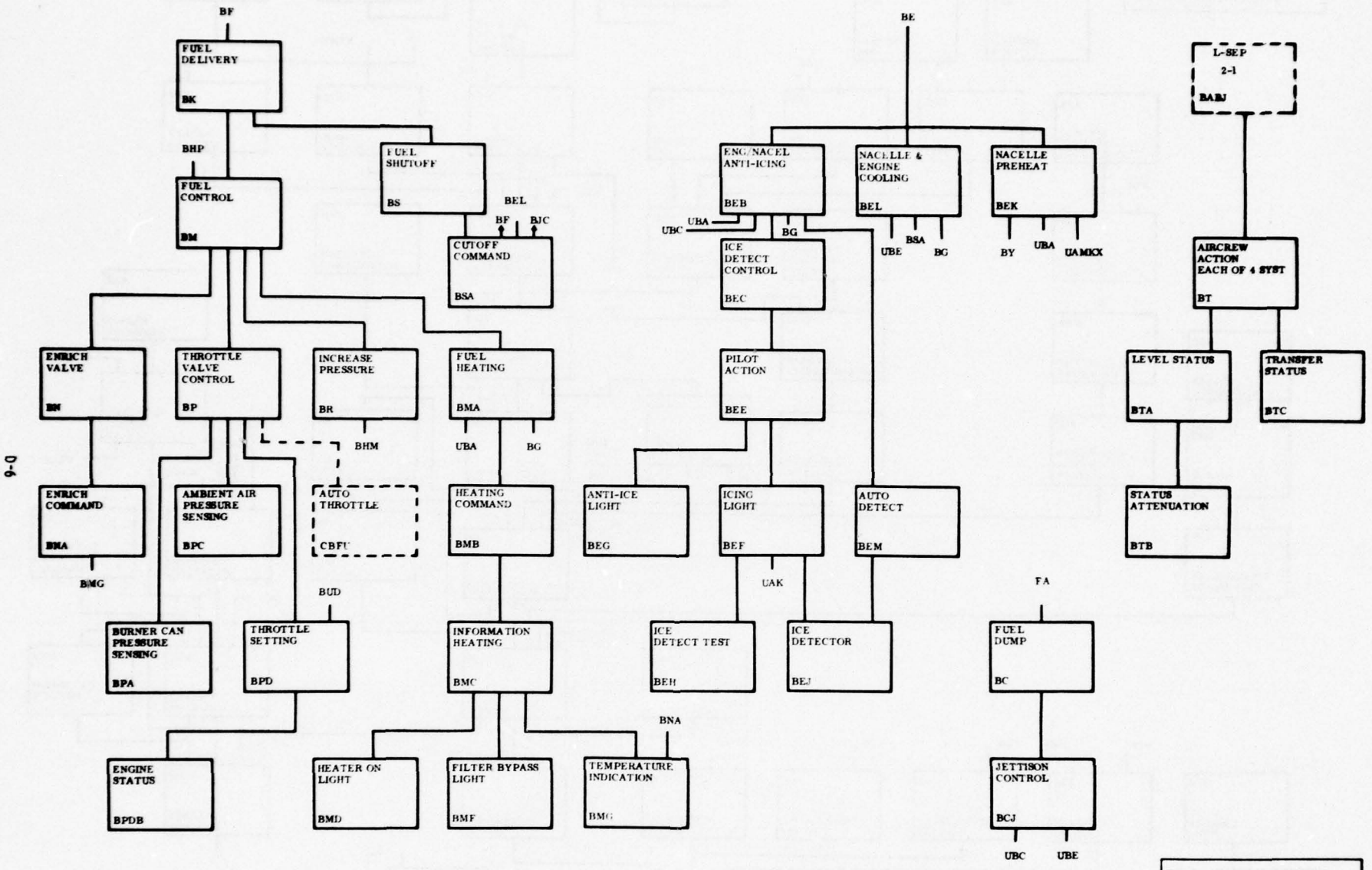
	Diagram	Page
Propulsion		
Propulsion/Engine	B-1	D-5
Propulsion/Engine	B-2	D-6
Propulsion/Fuel Feed 1, 2	B-3	D-7
Propulsion/Fuel Feed 3	B-4	D-8
Propulsion/Fuel Feed 4	B-5	D-9
Communications/Navigation/Identification		
Comm/Nav/Ident	C-1	D-10
Steering Solutions	C-2	D-11
Approach & Landing Aids	C-3	D-12
Information and Displays		
Info & Displays	D-1	D-13
Warnings	D-2	D-14
Environmental Control		
Environmental Control	E-1	D-15
Air Temp, Pressure Control	E-2	D-16
Flight Control		
Flight Control	F-1	D-17
Lift Augmentation	F-2	D-18
Yaw Control	F-3	D-19
Pitch Control	F-4	D-20
Roll Control	F-5	D-21
Flight Speed Control	F-6	D-22
AFCS	F-7	D-23
Stall Prevention	F-8	D-24
Ground Control	G-1	D-25
Landing Gear	L-1	D-26
Mission Support	M-1	D-27

	Diagram	Page
Utilities		
Main AC Power	UA-1	D-28
AC Power Generation	UA-2	D-29
Multifeed AC Power	UA-3	D-30
DC Power	UB-1	D-31
Hydraulics	UH-1	D-32
Air Data Computer	UK-1	D-33

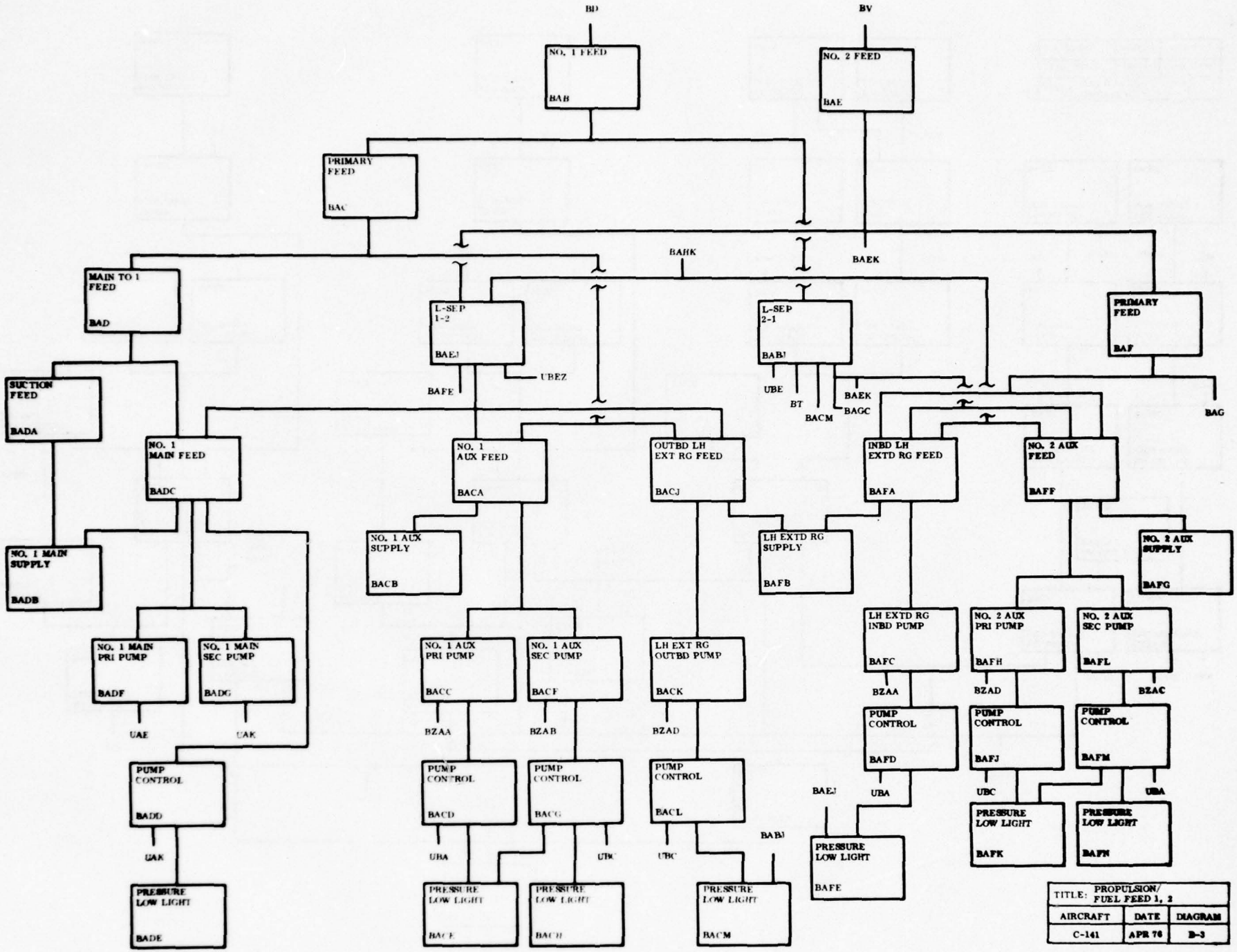
D.2 CARD LISTING

Pages D-35 through D-140 are a reproduction of the punchcard listing. The listing is alphabetical by "alpha designator," and the format is that of the 80-column punchcard itself as described in Appendix C.

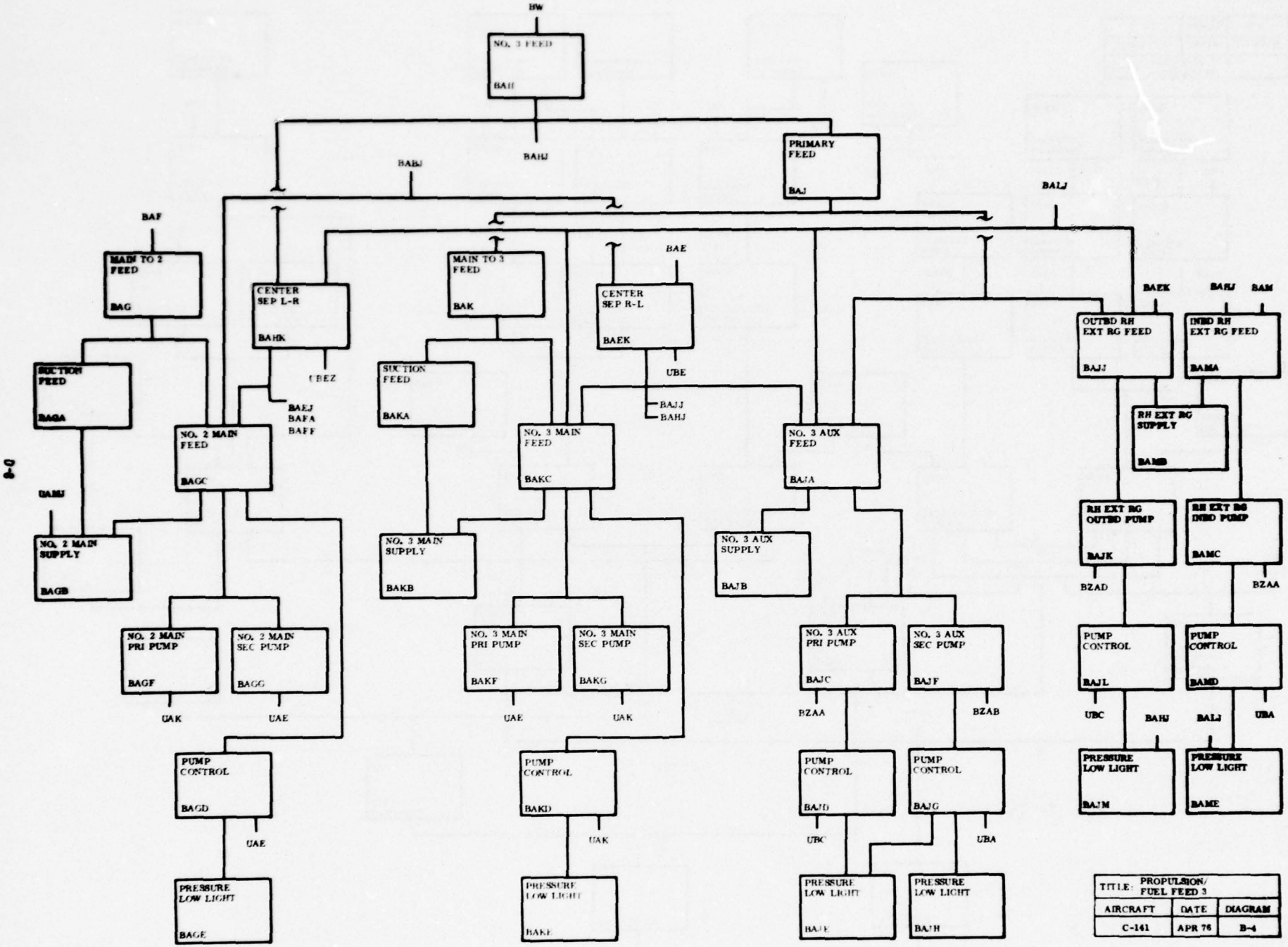

PROPULSION
B
ENGINE FAILED
(2 of 4)
BZ
GAC
REVERSE THRUST
BU
ENGINE 1 PROPULSION
BD
ENGINE 2 PROPULSION
BV
ENGINE 3 PROPULSION
BW
ENGINE 4 PROPULSION
BX
GROUND REFUEL
BAP
FUEL VENTING
BAQ
BAB
BAE
BAH
BAL
UBE
UBC
DDBC
THRUST REVERSE INTERLOCK
BUA
REVERSER EXTENDED
BUB
THRUST
BE
CONTAINED
BDA
BEK
BEL
BEB
UBC
UBE
LANDING GEAR INTERLOCK
BUC
HYDRAULIC PRESSURE
BUE
BYPASS AIR
BEN
COMBUSTION
BF
BSA
BK
ENGINE FIRE EXTINGUISHER
BEP
UAAM
UABM
UACM
UADM
BHM
BJB
BEK
BLEED AIR
BY
COMPRESSION
BG
BMA
BHH
BEB
BEL
BR
BHF
BJ
UAAK
BUE
ACCESSORY DRIVE
BHM
IGNITION RESTART
BFA
ATTENUATION FLAMEOUT PREVENTION
BFJ
PILOT ACTION
BEQ
FFLA
REVERSE THRUST COMMAND
BUD
BPD
BJA
ENGINE ROTATION
BH
INTERMITTENT IGNITION
BFC
FLAMEOUT PREVENTION
BFB
ENGINE FIRE STATUS
BER
REVERSER STATUS
BUF
COMPRESSION UNLOADING
BGE
STARTER FUNCTION
BJ
OIL DISTRIBUTION
BHA
FUEL & IGNITION CONTROL
BFE
CONTINUOUS IGNITION
BFD
BHM
UBE
UAE
STARTER CUTOFF
BJA
PNEUMATIC POWER
BJB
START STOP COMMAND
BJC
OIL SUPPLY
BHC
PRESSURE OIL
BHF
COOLING OIL
BHG
CONTINUOUS IGNITION CONTROL
BFF
BSA
BH
UAMKX
BV
AIRCREW ACTION STARTER
BJD
BHM
AIR COOLING
BHH
FUEL COOLING
BHP
BG
BM
EXTERNAL PNEUMATIC
BJG
STARTER VALVE LIGHT
BJE
STARTER LIGHT
BJF
TITLE: PROPULSION/ENGINE
AIRCRAFT
C-141
DATE
APR 76
DIAGRAM
B-1

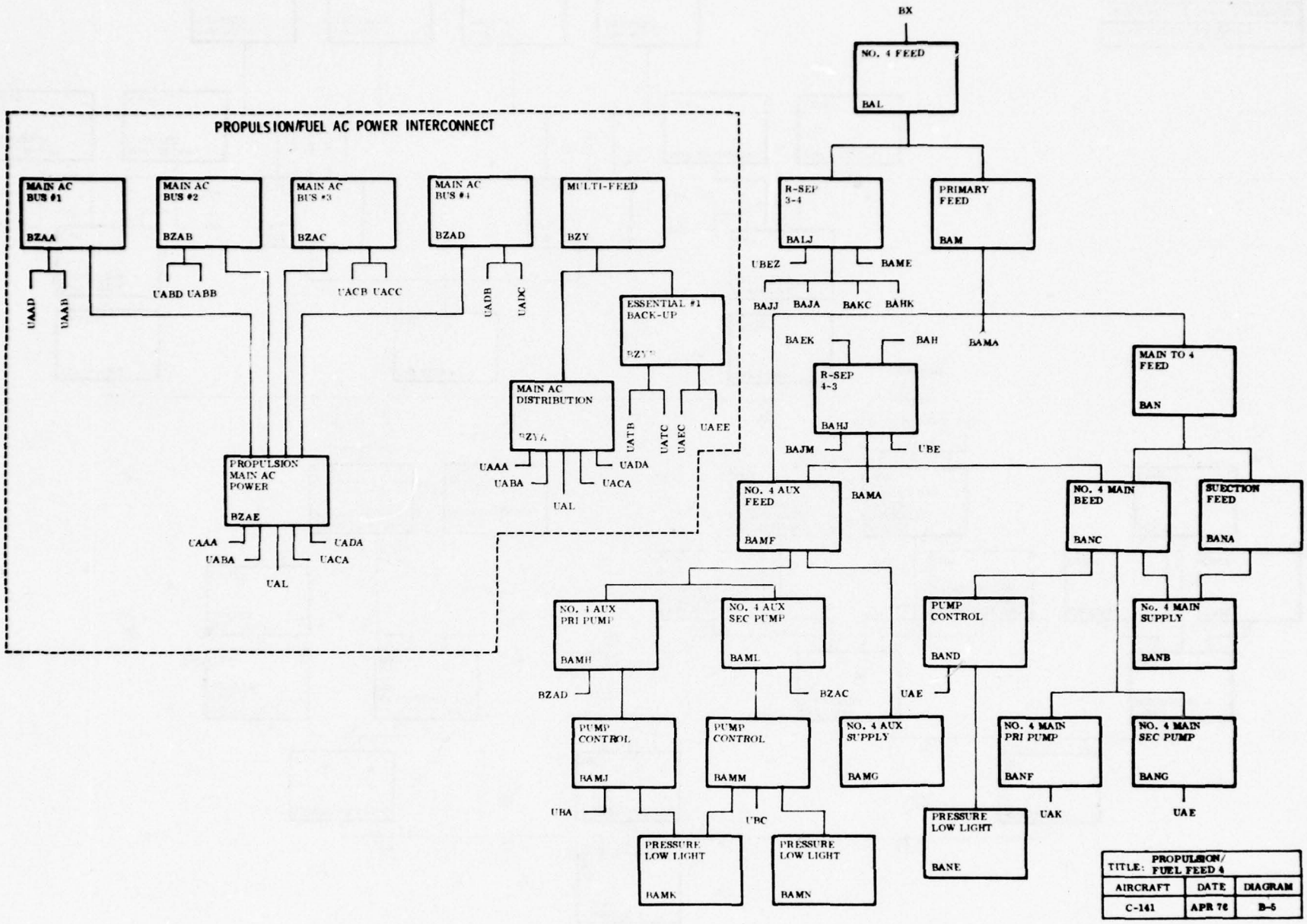


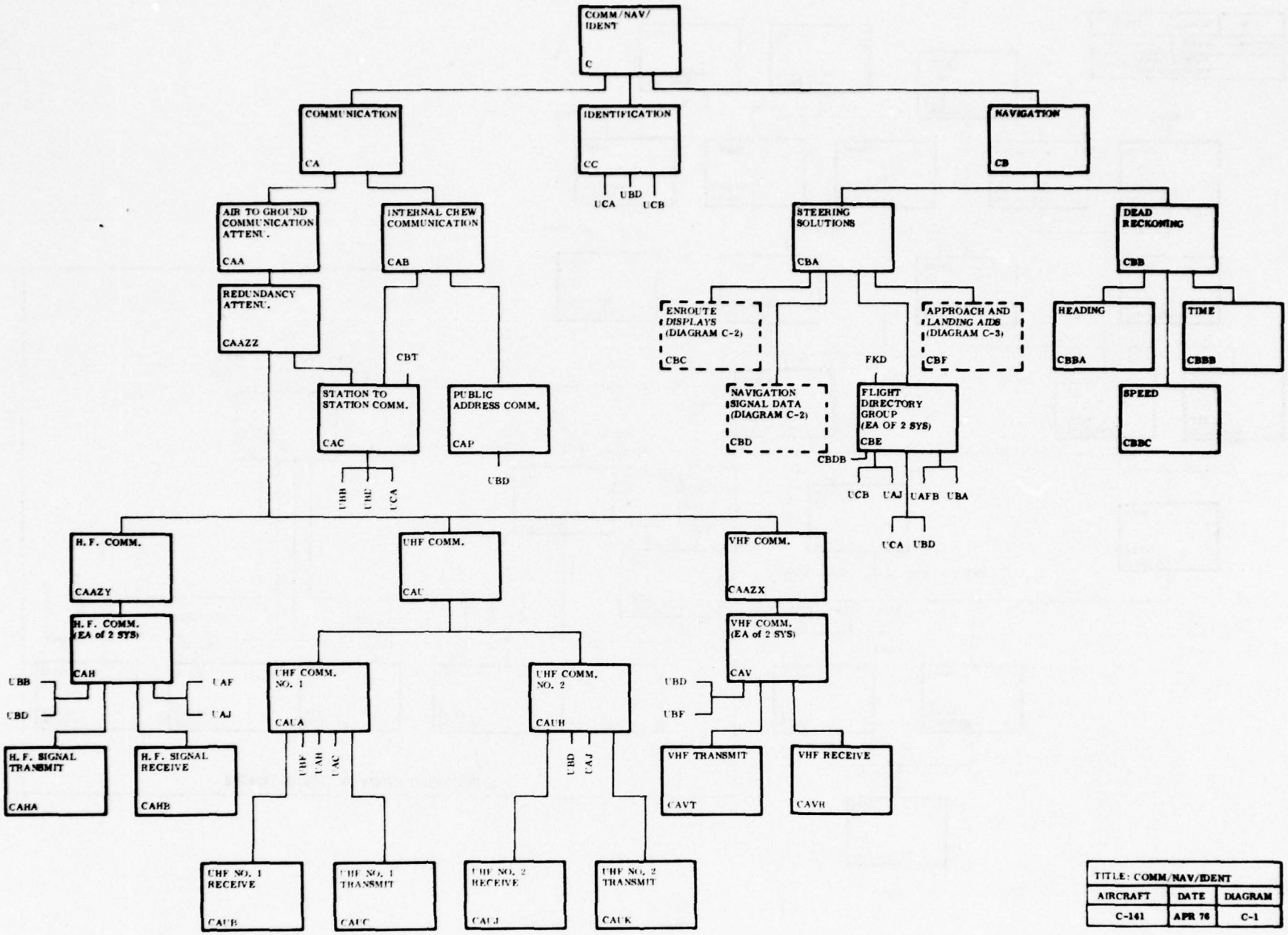
TITLE: PROPULSION/ENGINE		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	B-2



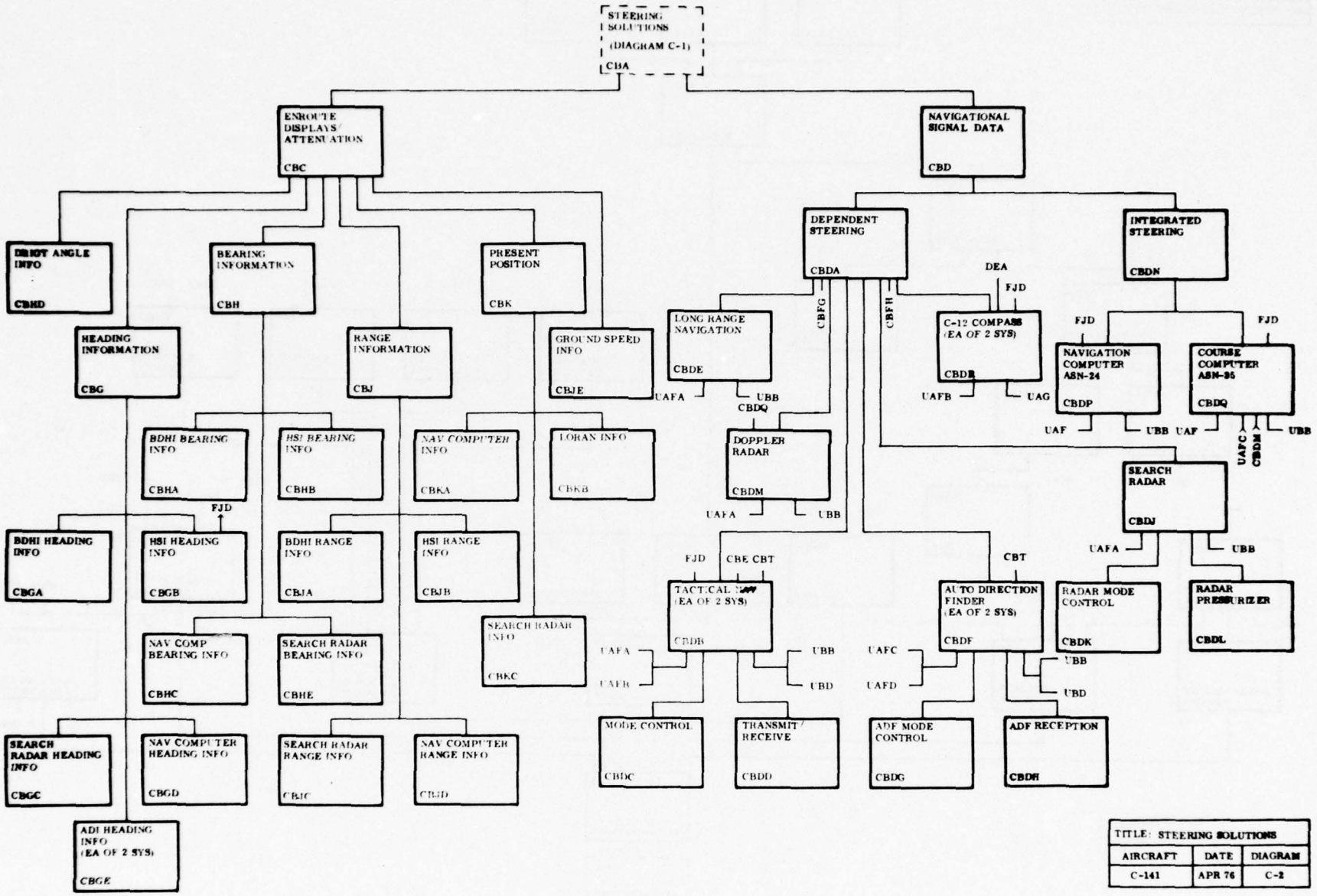
TITLE: PROPULSION/ FUEL FEED 1, 2		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	B-3


BW
NO. 3 FEED
BAH
BAHJ
PRIMARY FEED
BAJ
BABJ
BALJ
BAF
MAIN TO 2 FEED
BAG
CENTER SEP L-R
BAHK
MAIN TO 3 FEED
BAK
BAE
CENTER SEP R-L
BAEK
BAEK
BAHJ
BAM
OUTBD RH EXT RG FEED
BAJJ
INBD RH EXT RG FEED
BAMA
SUCTION FEED
BAGA
UBEZ
BAEJ
BAFA
BAFF
SUCTION FEED
BAKA
UBE
BAJJ
BAHJ
RH EXT RG SUPPLY
BAMB
NO. 2 MAIN FEED
BAGC
NO. 3 MAIN FEED
BAKC
NO. 3 AUX FEED
BAJA
UAMJ
RH EXT RG OUTBD PUMP
BAJK
RH EXT RG INBD PUMP
BAMC
NO. 2 MAIN SUPPLY
BAGB
NO. 3 MAIN SUPPLY
BAKB
NO. 3 AUX SUPPLY
BAJB
BZAD
BZAA
NO. 2 MAIN PRI PUMP
BAGF
NO. 2 MAIN SEC PUMP
BAGG
NO. 3 MAIN PRI PUMP
BAKF
NO. 3 MAIN SEC PUMP
BAKG
NO. 3 AUX PRI PUMP
BAJC
NO. 3 AUX SEC PUMP
BAJF
PUMP CONTROL
BAJL
PUMP CONTROL
BAMD
UAK
UAE
UAE
UAK
BZAA
BZAB
UBC
BAHJ
BALJ
UBA
PUMP CONTROL
BAGD
PUMP CONTROL
BAKD
PUMP CONTROL
BAJD
PUMP CONTROL
BAJG
PRESSURE LOW LIGHT
BAJM
PRESSURE LOW LIGHT
BAME
UAE
UAK
UBC
UBA
PRESSURE LOW LIGHT
BAGE
PRESSURE LOW LIGHT
BAKE
PRESSURE LOW LIGHT
BAJE
PRESSURE LOW LIGHT
BAJH
TITLE: PROPULSION/ FUEL FEED 3
AIRCRAFT
C-141
DATE
APR 76
DIAGRAM
B-4

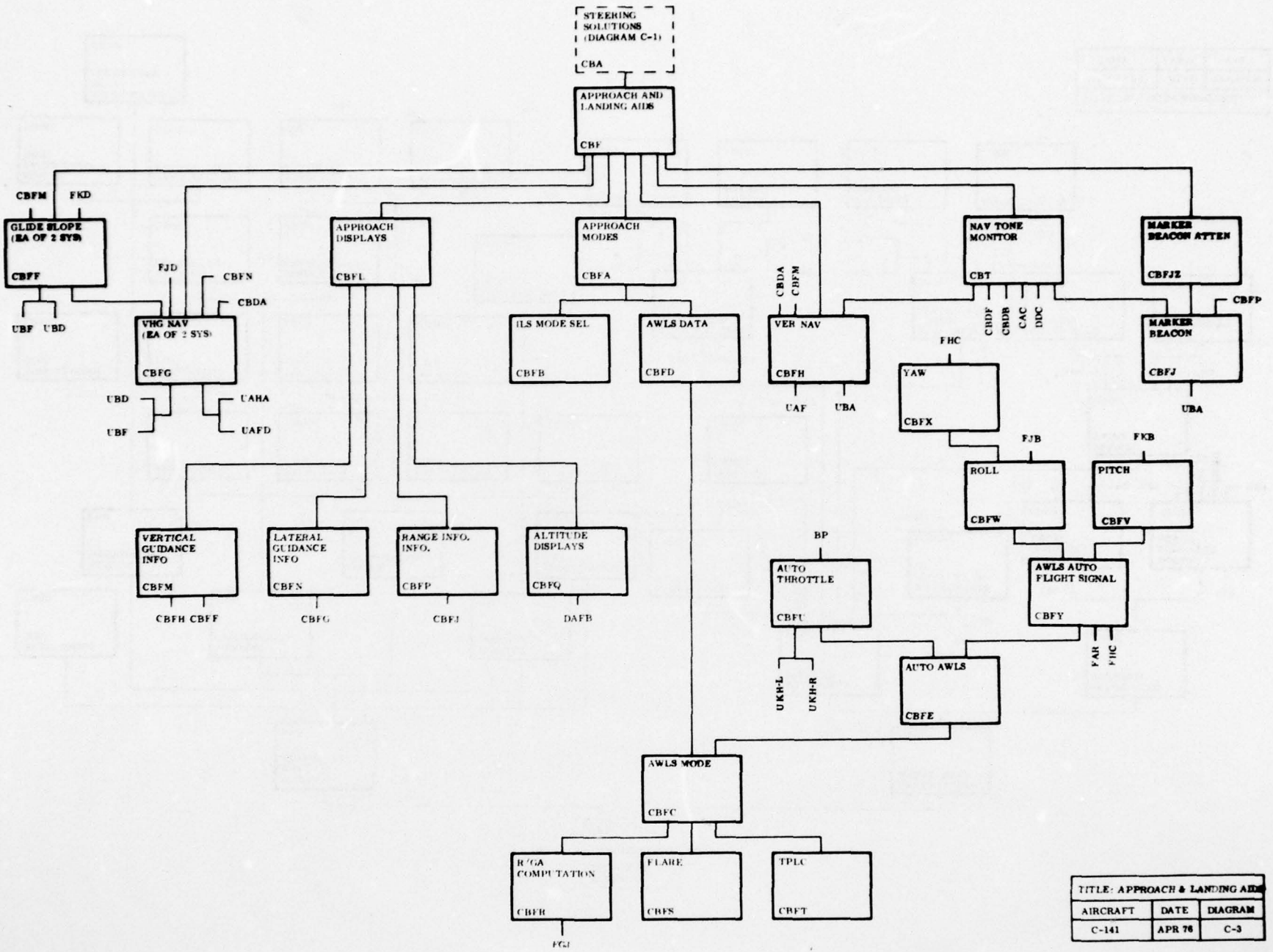

PROPULSION/FUEL AC POWER INTERCONNECT
MAIN AC BUS #1 BZAA
MAIN AC BUS #2 BZAB
MAIN AC BUS #3 BZAC
MAIN AC BUS #4 BZAD
MULTI-FEED BZY
UAAD
UAAB
UABD UABB
UACB UACC
UADB
UADC
ESSENTIAL #1 BACK-UP
MAIN AC DISTRIBUTION BZYA
UATB
UATC
UAEC
UAEE
UAAA
UABA
UAL
UADA
UACA
PROPULSION MAIN AC POWER BZAE
BX
NO. 4 FEED BAL
R-SEP 3-4 BALJ
PRIMARY FEED BAM
UBEZ
BAME
BAJJ
BAJA
BAKC
BAHK
BAEK
BAH
BAMA
R-SEP 4-3 BAHJ
BAJM
UBE
MAIN TO 4 FEED BAN
NO. 4 AUX FEED BAMF
NO. 4 MAIN BEED BANC
SUECTION FEED BANA
NO. 4 AUX PRI PUMP BAMH
NO. 4 AUX SEC PUMP BAML
PUMP CONTROL BAND
No. 4 MAIN SUPPLY BANB
BZAD
BZAC
UAE
PUMP CONTROL BAMJ
PUMP CONTROL BAMM
NO. 4 AUX SUPPLY BAMG
NO. 4 MAIN PRI PUMP BANF
NO. 4 MAIN SEC PUMP BANG
UBA
UBC
UAK
PRESSURE LOW LIGHT BAMK
PRESSURE LOW LIGHT BAMN
PRESSURE LOW LIGHT BANE
TITLE: PROPULSION/ FUEL FEED 4
AIRCRAFT
DATE
DIAGRAM
C-141
APR 76
B-5



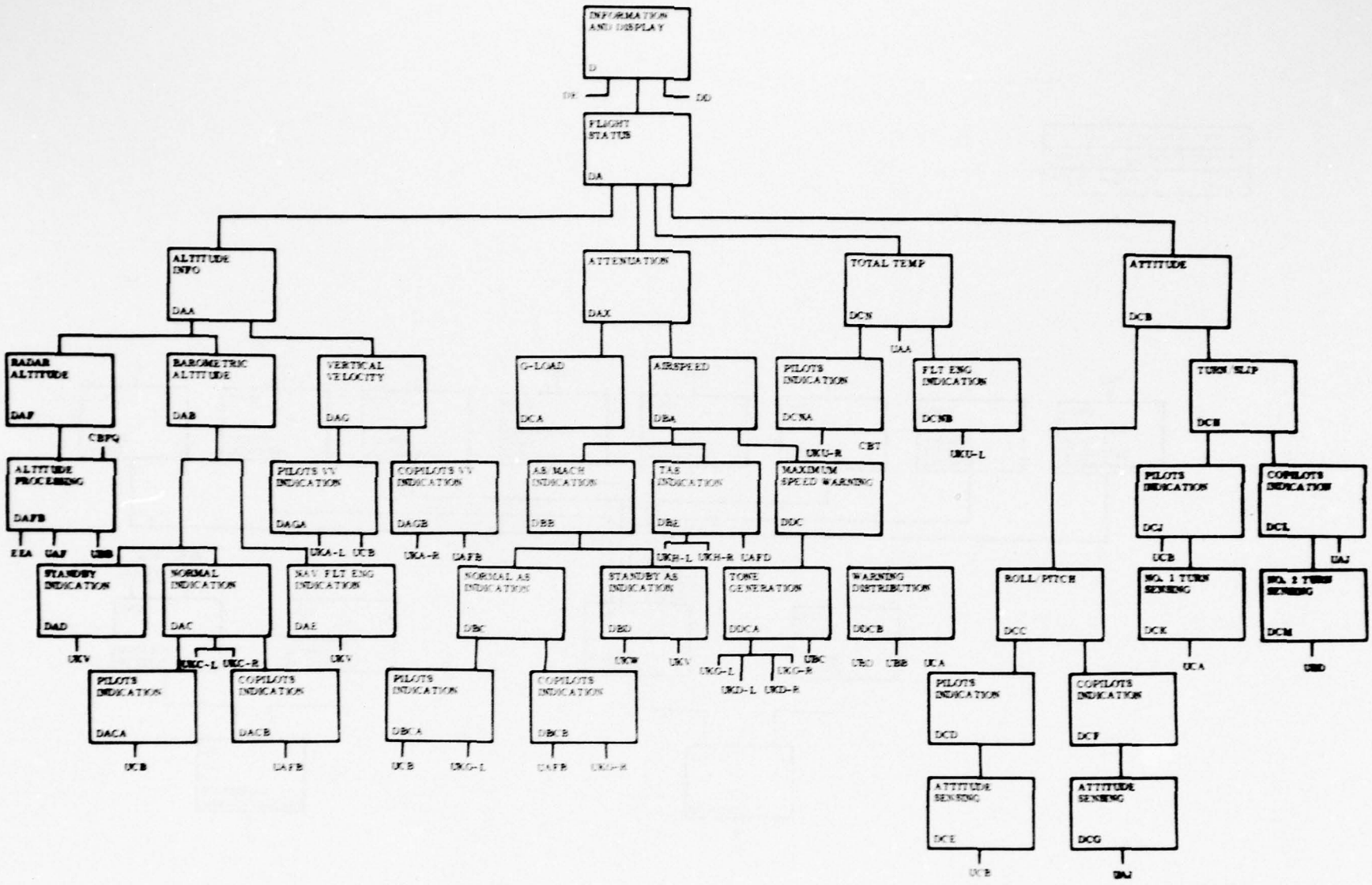
TITLE: COMM/NAV/IDENT		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	C-1



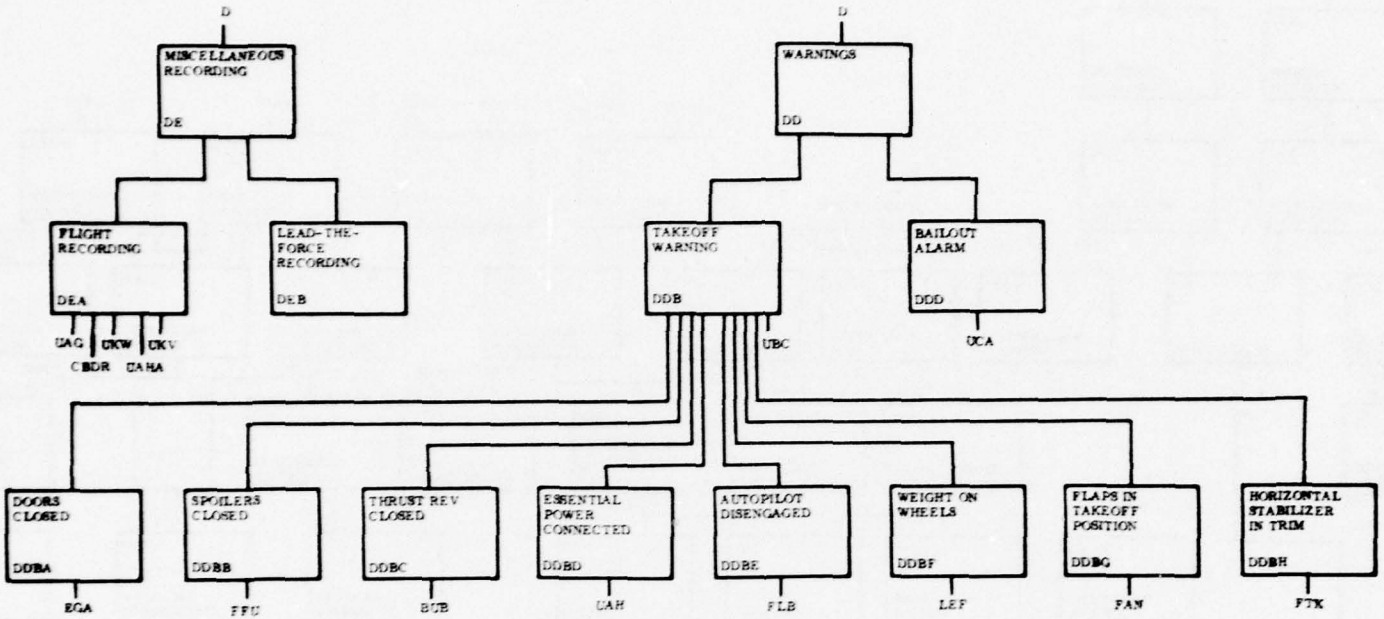
TITLE: STEERING SOLUTIONS		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	C-2



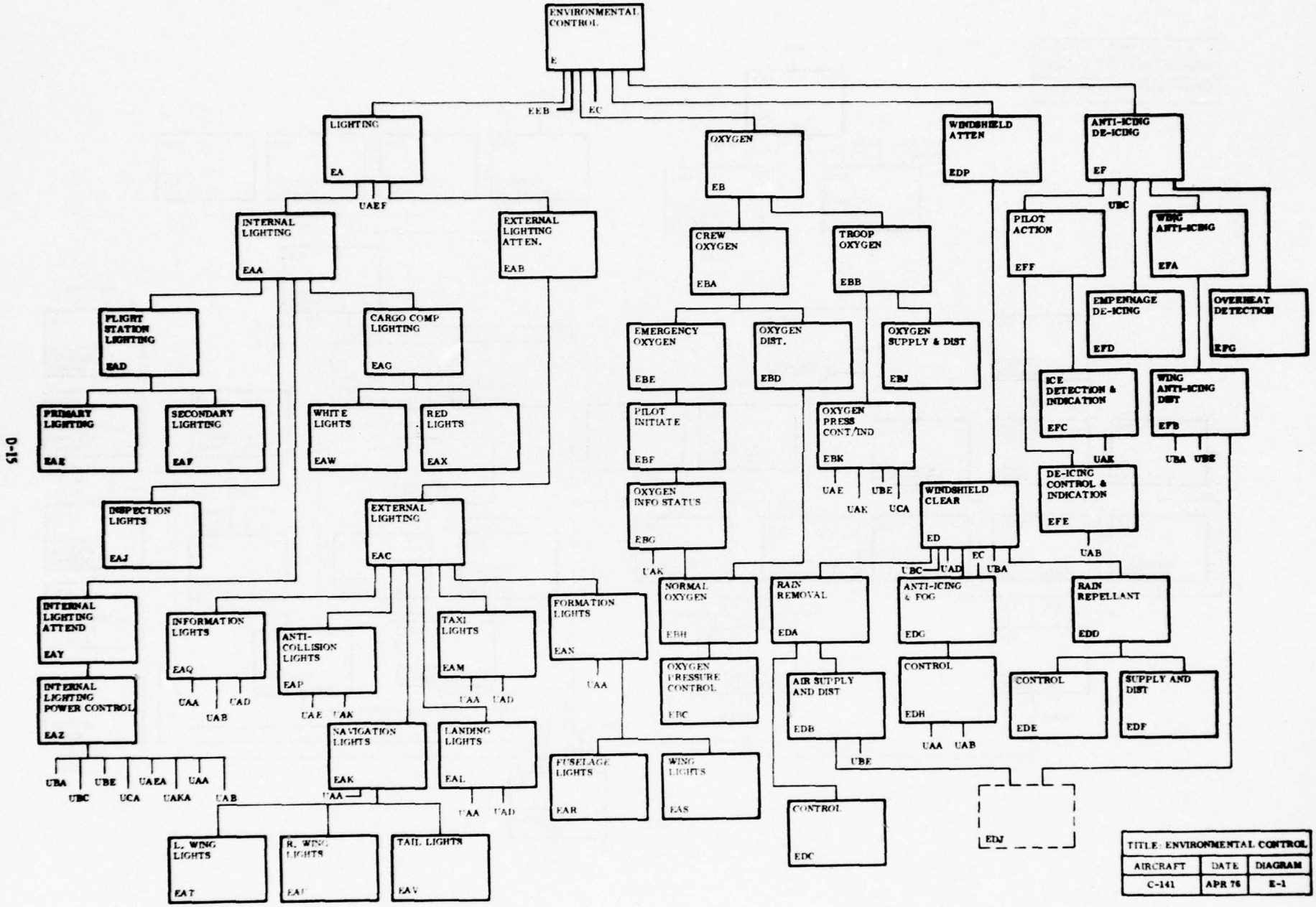
TITLE: APPROACH & LANDING AIDS		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	C-3



TITLE: INFO & DISPLAYS		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 74	D-1

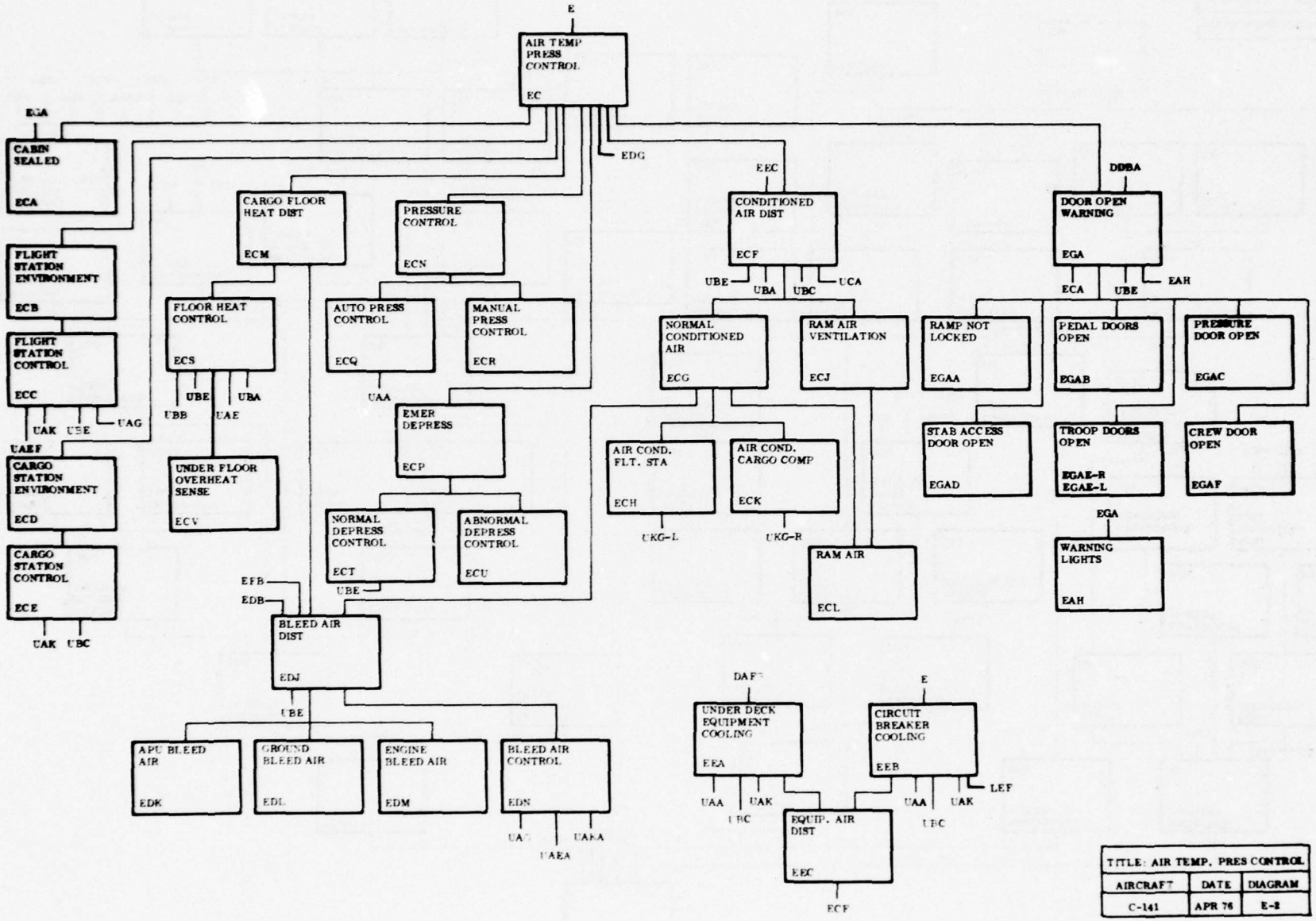


TITLE: WARNINGS		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	D-2

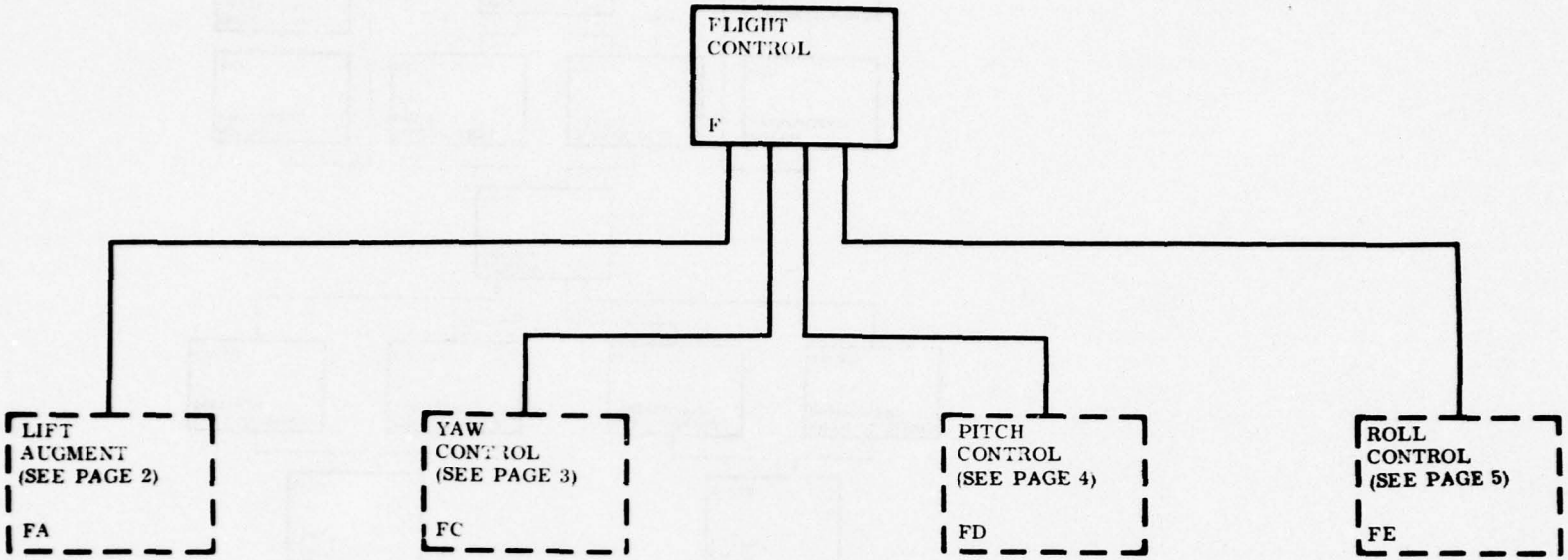


D-15

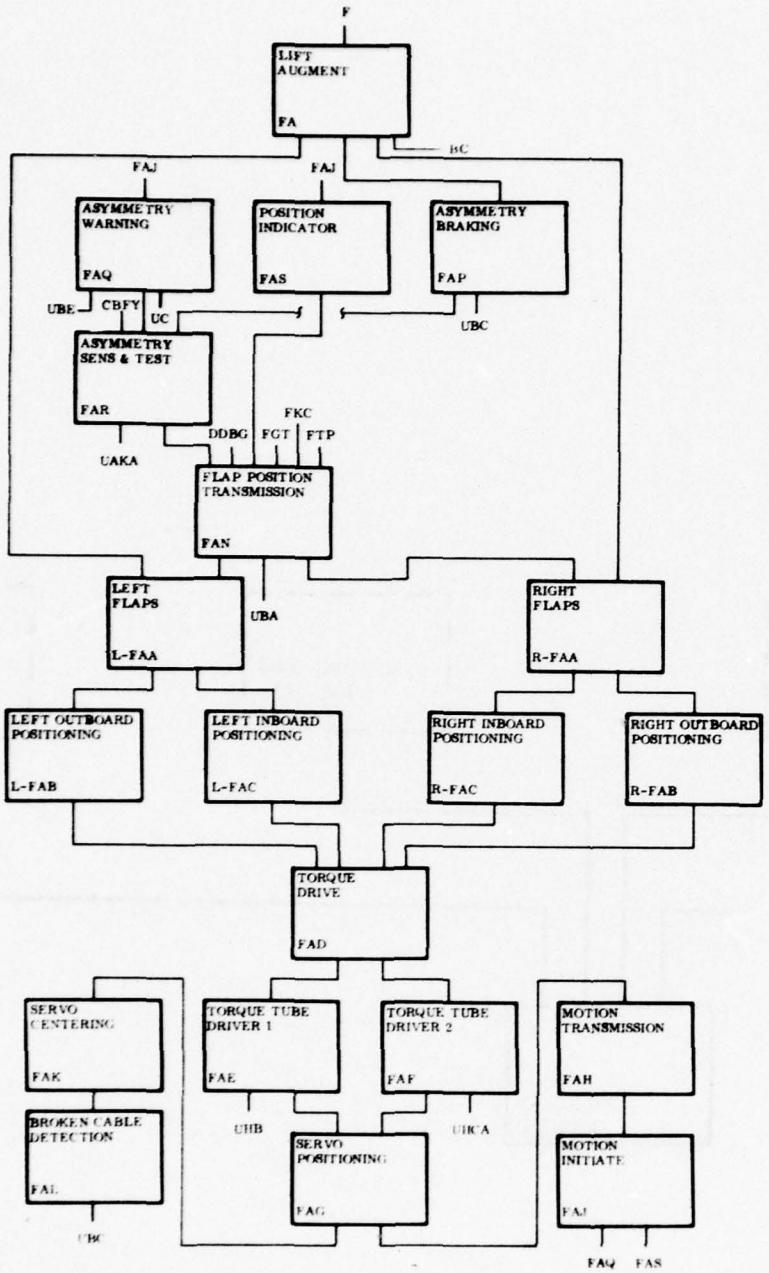
TITLE: ENVIRONMENTAL CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	E-1



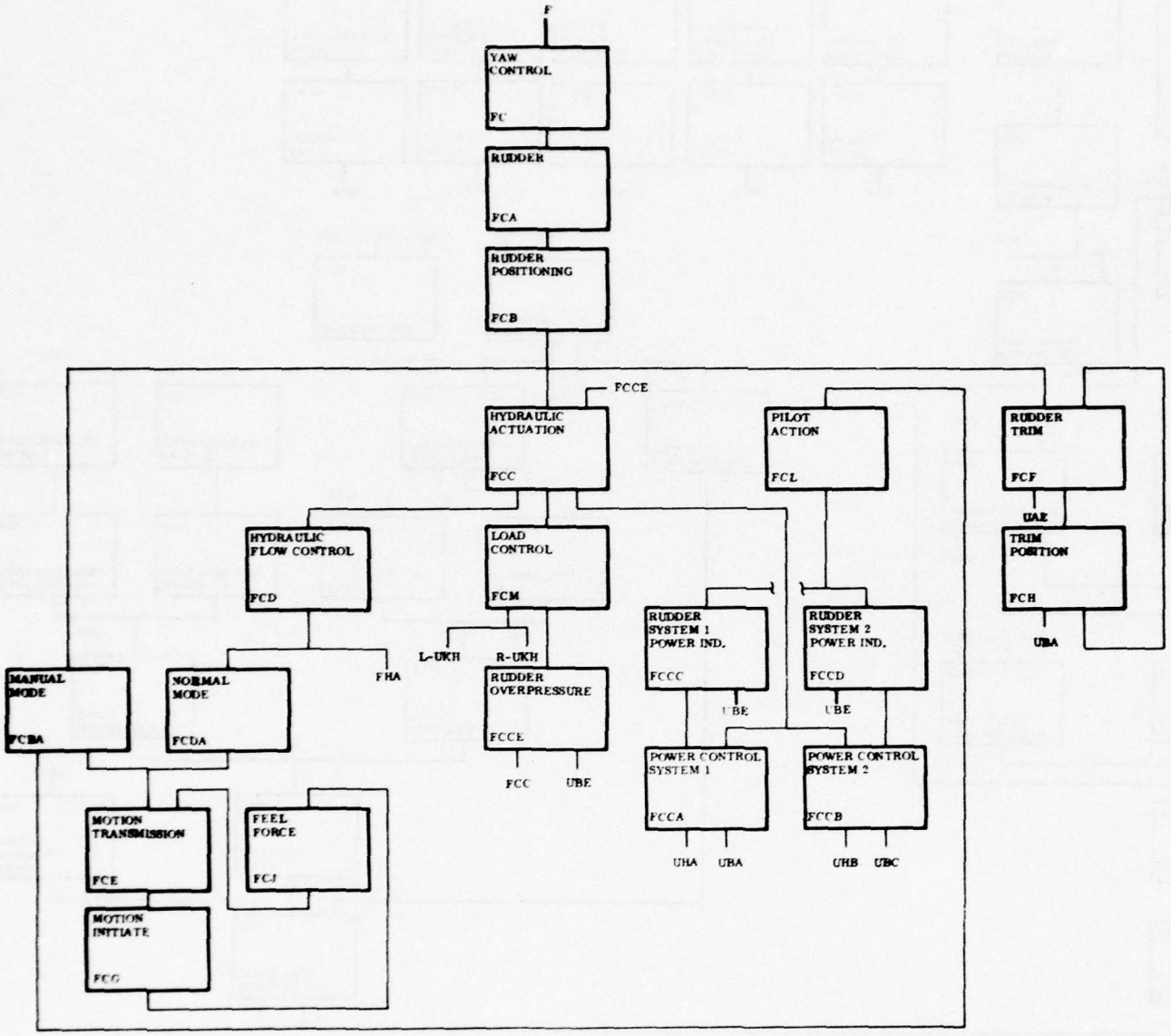
TITLE: AIR TEMP. PRES CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	E-2



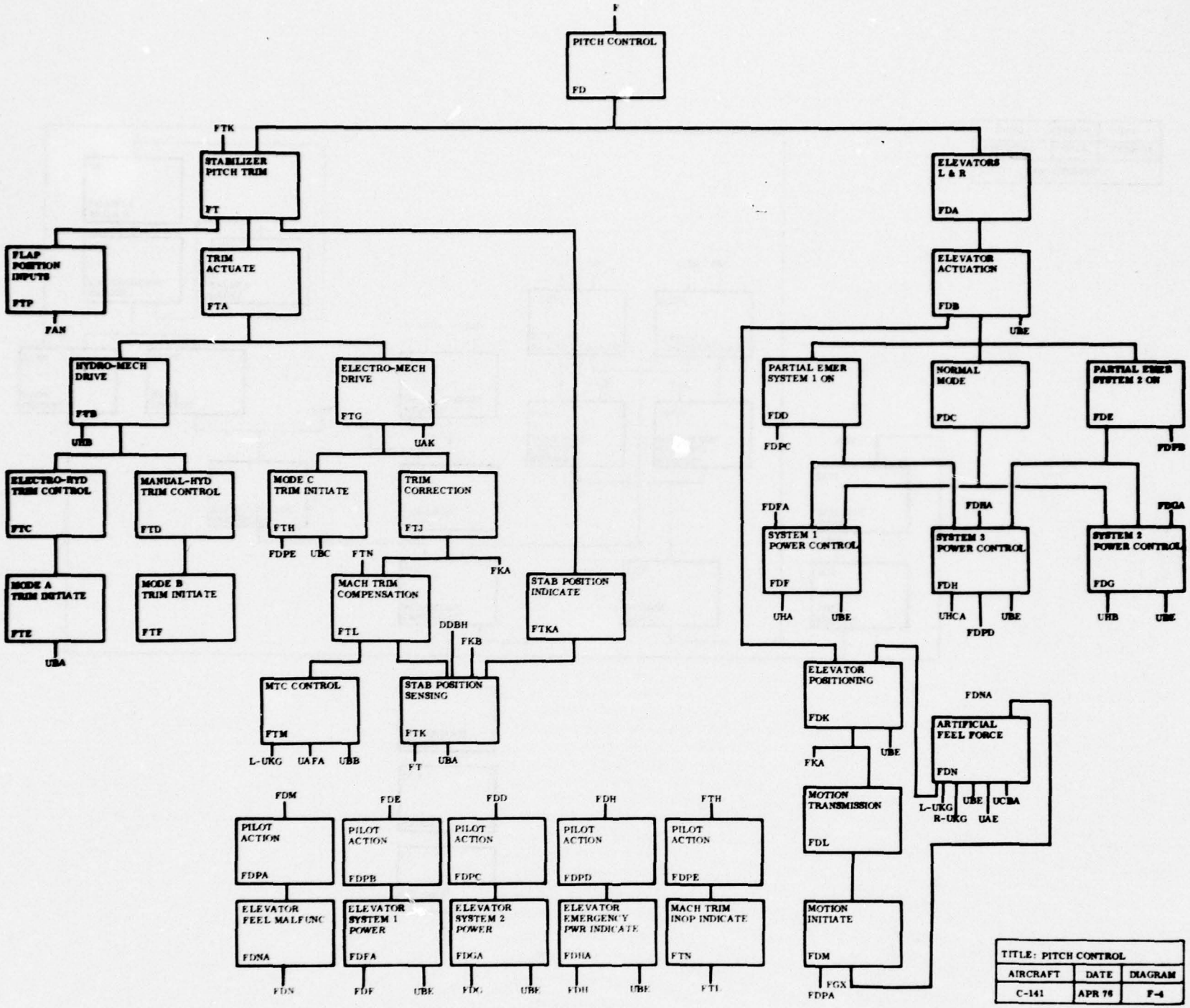
TITLE: FLIGHT CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	F-1

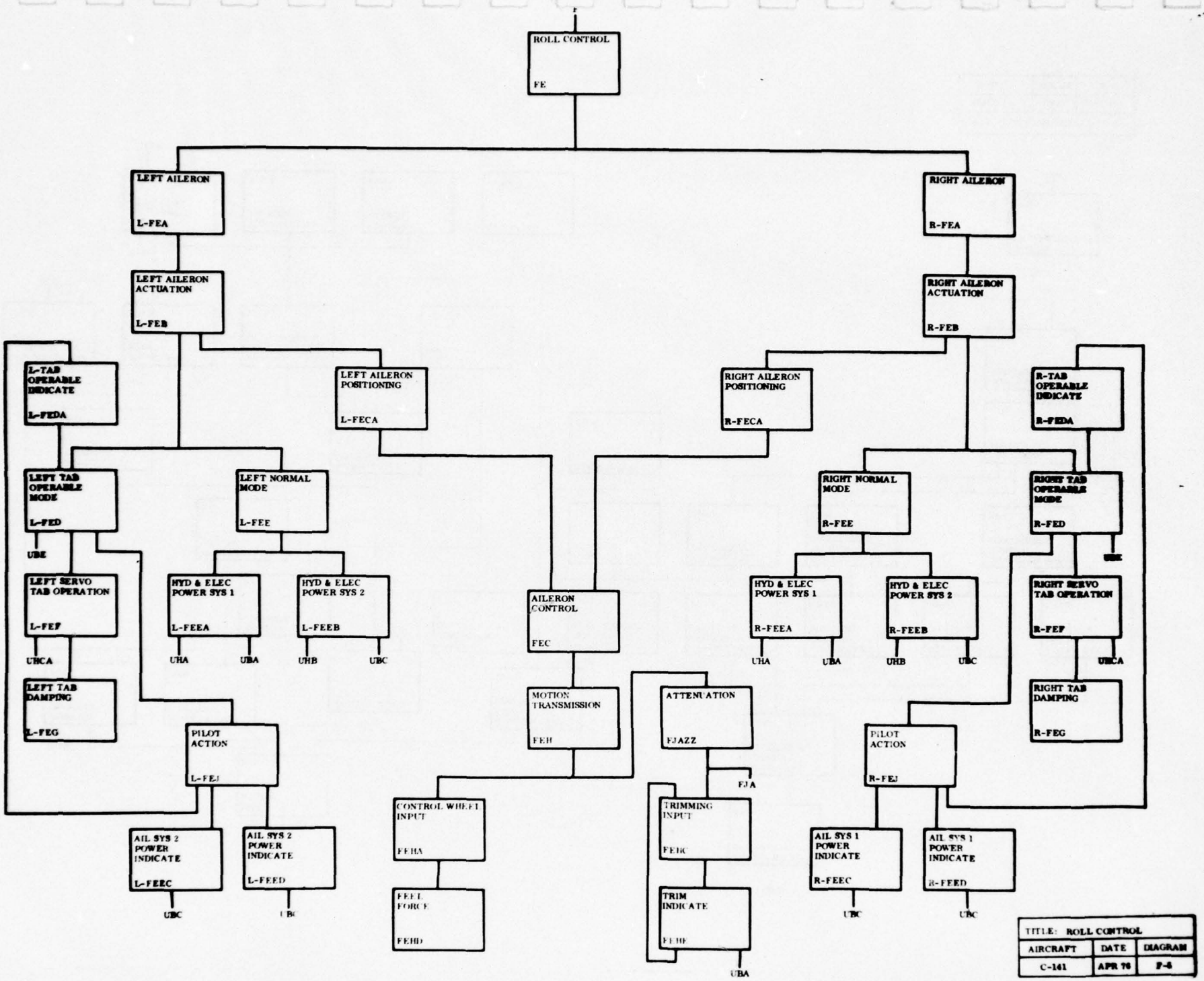


TITLE: LIFT AUGMENTATION		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 78	F-2

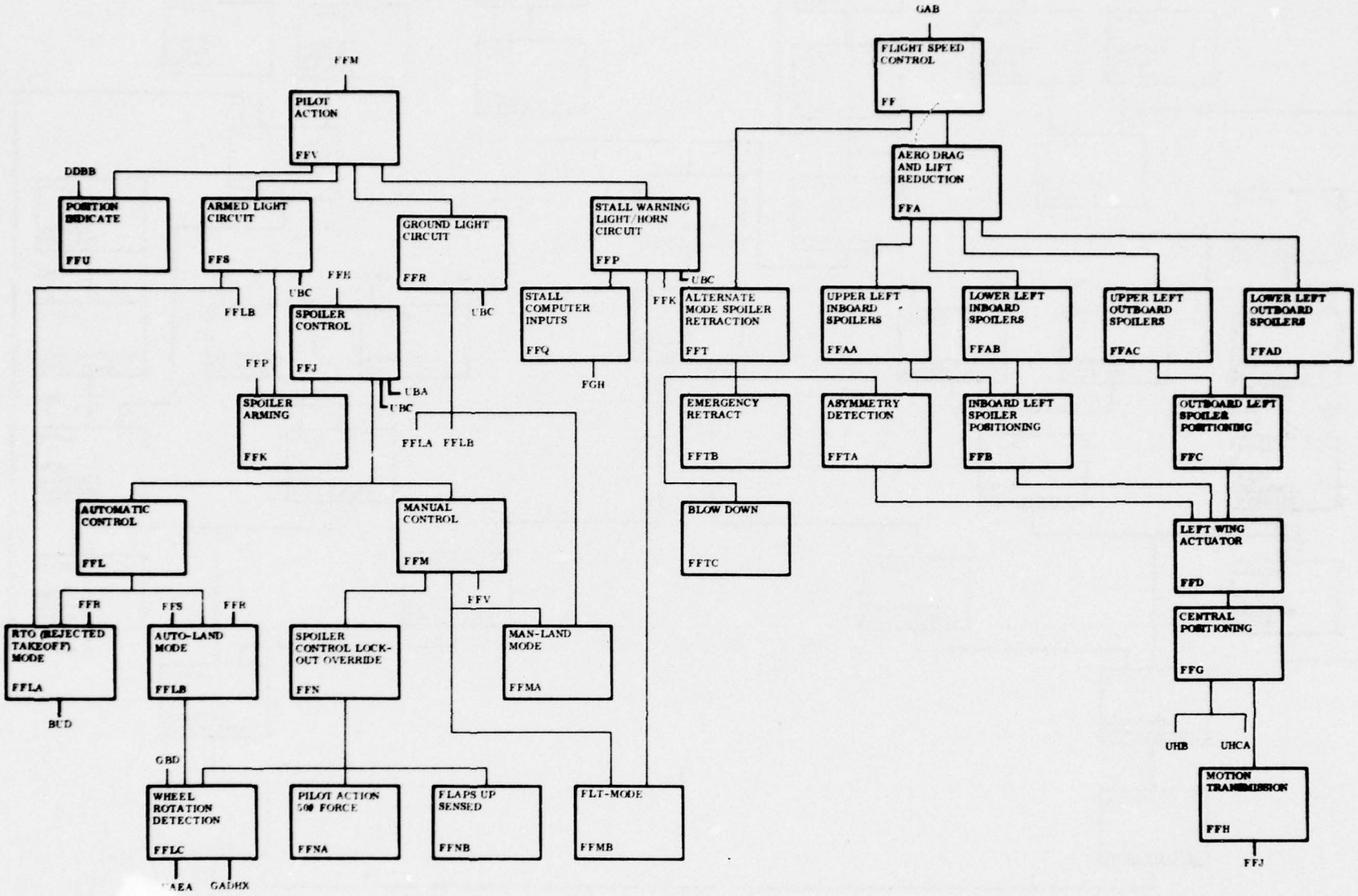


TITLE: YAW CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 78	F-8

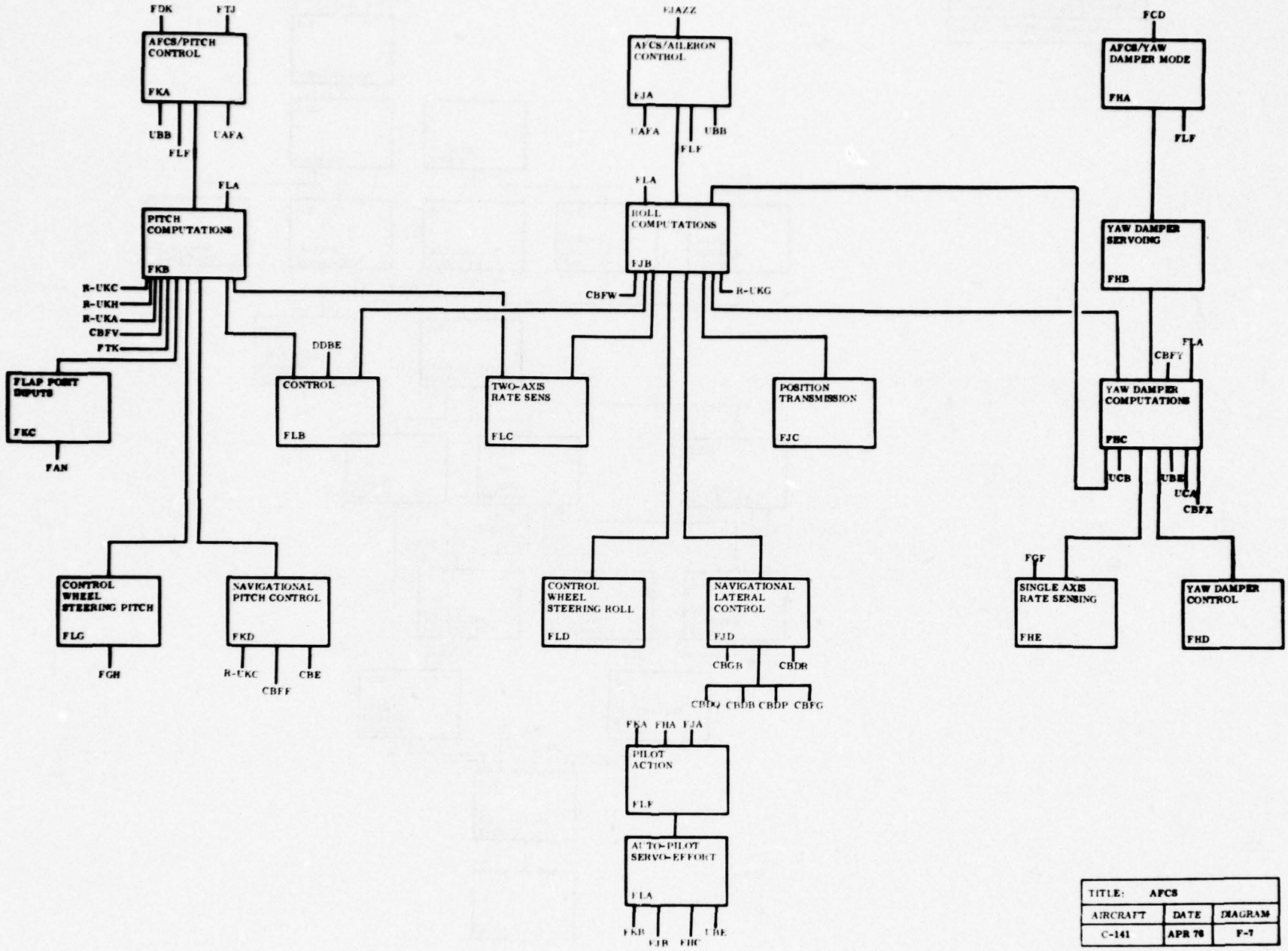

F
PITCH CONTROL
FD
FTK
STABILIZER PITCH TRIM
FT
ELEVATORS L & R
FDA
FLAP POSITION INPUTS
FTP
FAN
TRIM ACTUATE
FTA
ELEVATOR ACTUATION
FDB
UBE
HYDRO-MECH DRIVE
FTB
ELECTRO-MECH DRIVE
FTG
UAK
UKB
PARTIAL EMER SYSTEM 1 ON
FDD
NORMAL MODE
FDC
PARTIAL EMER SYSTEM 2 ON
FDE
FDPC
FDPB
ELECTRO-HYD TRIM CONTROL
FTC
MANUAL-HYD TRIM CONTROL
FTD
MODE C TRIM INITIATE
FTH
TRIM CORRECTION
FTJ
FDFA
FDHA
FDGA
SYSTEM 1 POWER CONTROL
FDF
SYSTEM 3 POWER CONTROL
FDH
SYSTEM 2 POWER CONTROL
FDG
FDPE
UBC
FTN
FKA
UHA
UBE
UHCA
UBE
FDPD
UHB
UBE
MODE A TRIM INITIATE
FTE
MODE B TRIM INITIATE
FTF
MACH TRIM COMPENSATION
FTL
STAB POSITION INDICATE
FTKA
DDBH
FKB
UBA
ELEVATOR POSITIONING
FDK
FDNA
MTC CONTROL
FTM
STAB POSITION SENSING
FTK
ARTIFICIAL FEEL FORCE
FDN
L-UKG
UAFA
UBB
FT
UBA
FKA
UBE
L-UKG
R-UKG
UBE
UAE
UCBA
MOTION TRANSMISSION
FDL
FDM
FDE
FDD
FDH
FTH
PILOT ACTION
FDPA
PILOT ACTION
FDPB
PILOT ACTION
FDPC
PILOT ACTION
FDPD
PILOT ACTION
FDPE
ELEVATOR FEEL MALFUNC
FDNA
ELEVATOR SYSTEM 1 POWER
FDFA
ELEVATOR SYSTEM 2 POWER
FDGA
ELEVATOR EMERGENCY PWR INDICATE
FDHA
MACH TRIM INOP INDICATE
FTN
MOTION INITIATE
FDM
FDN
FDF
UBE
FDG
UBE
FDH
UBE
FTL
FGX
FDPA
TITLE: PITCH CONTROL
AIRCRAFT
DATE
DIAGRAM
C-141
APR 76
F-4



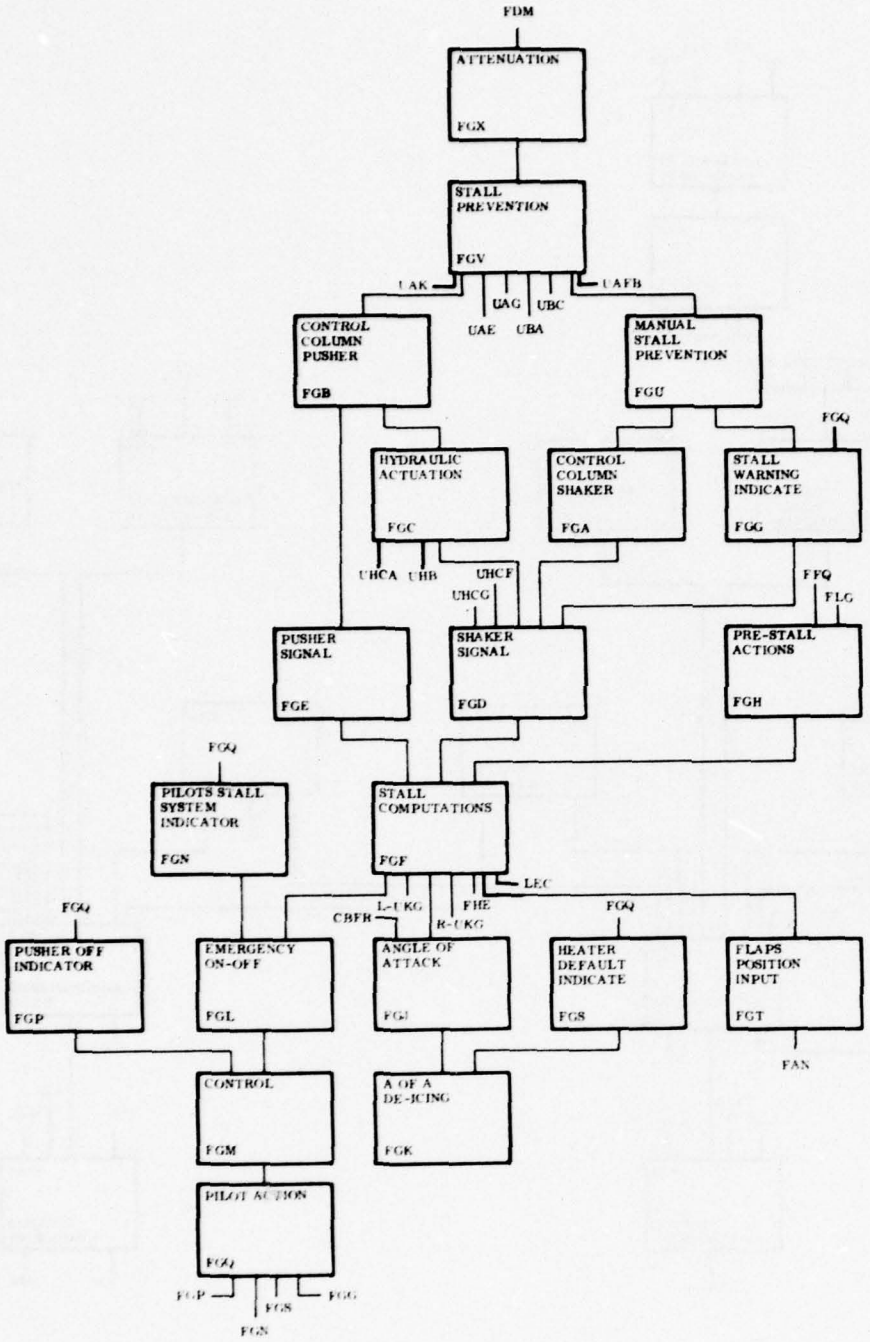
TITLE: ROLL CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 78	F-6



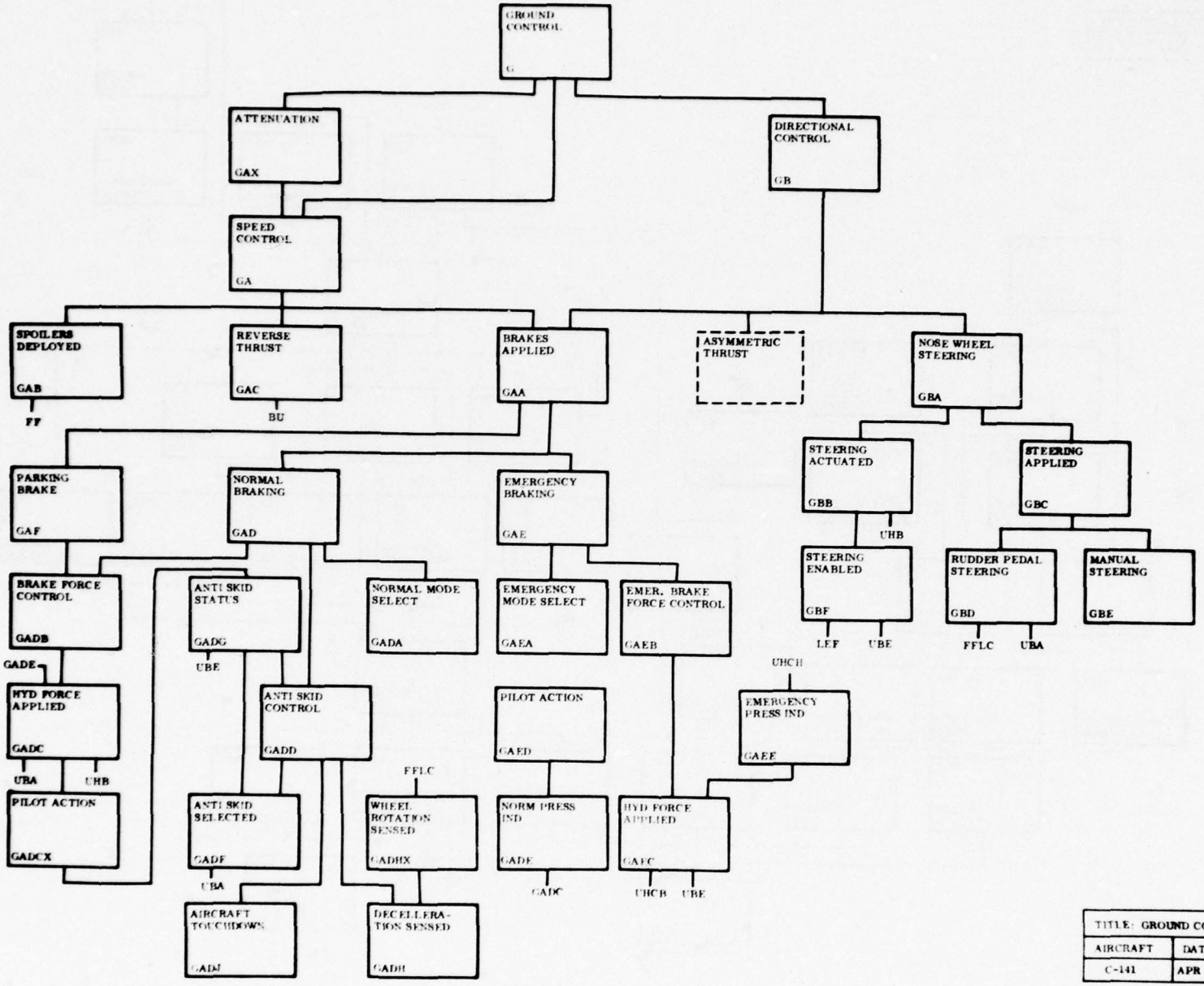
TITLE: FLIGHT SPEED CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	F-6



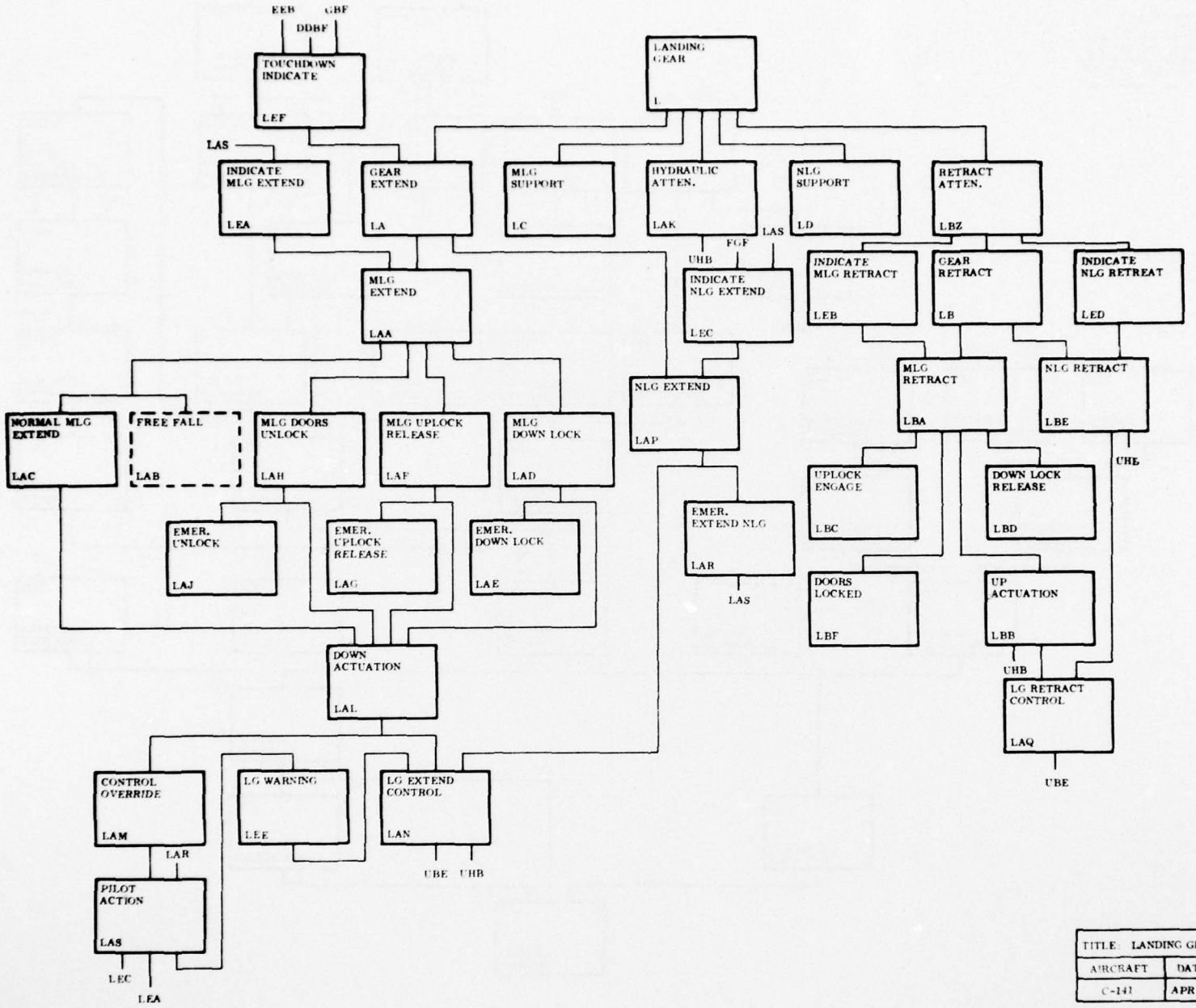
TITLE: AFCS		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	F-7



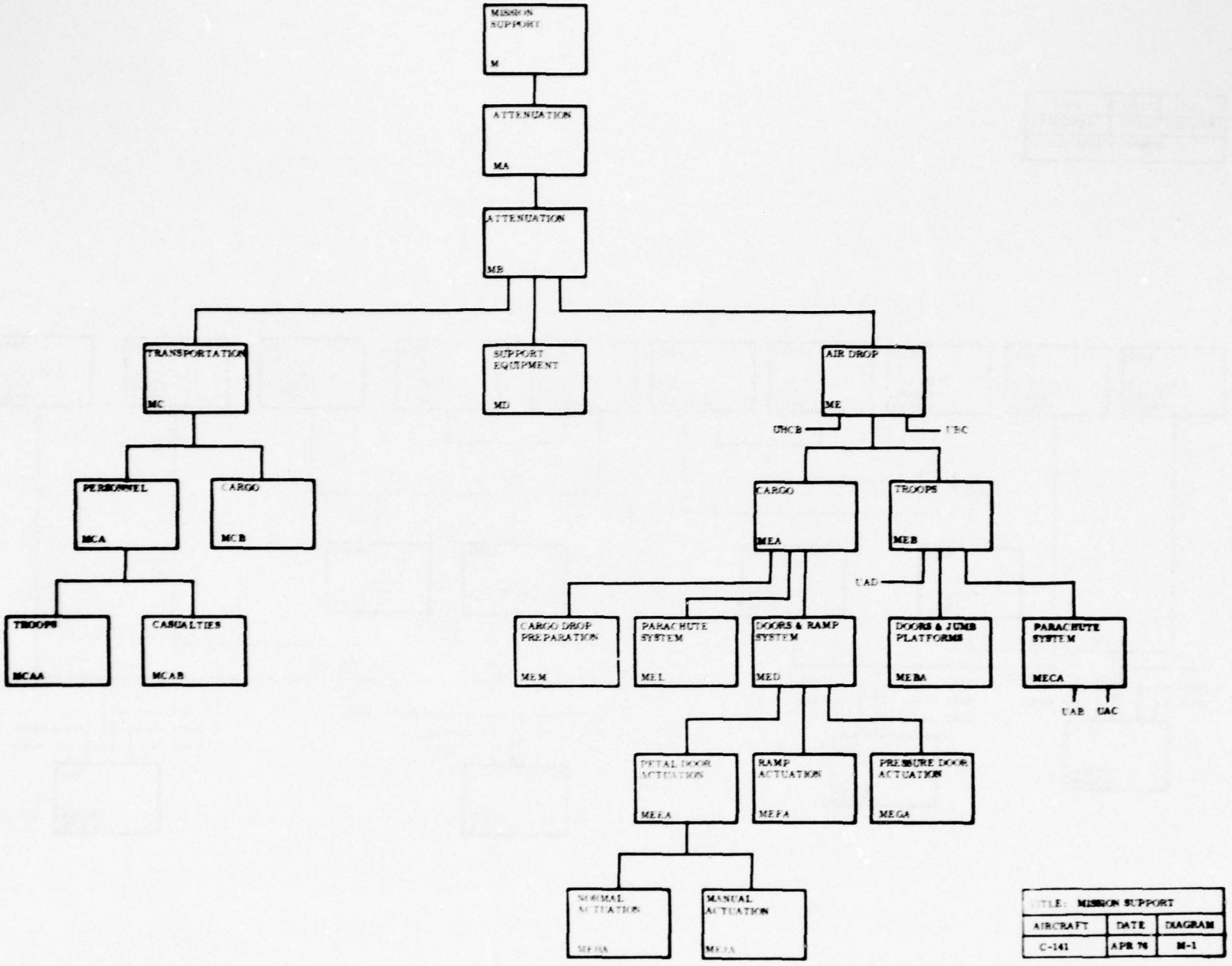
TITLE: STALL PREVENTION		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	F-8



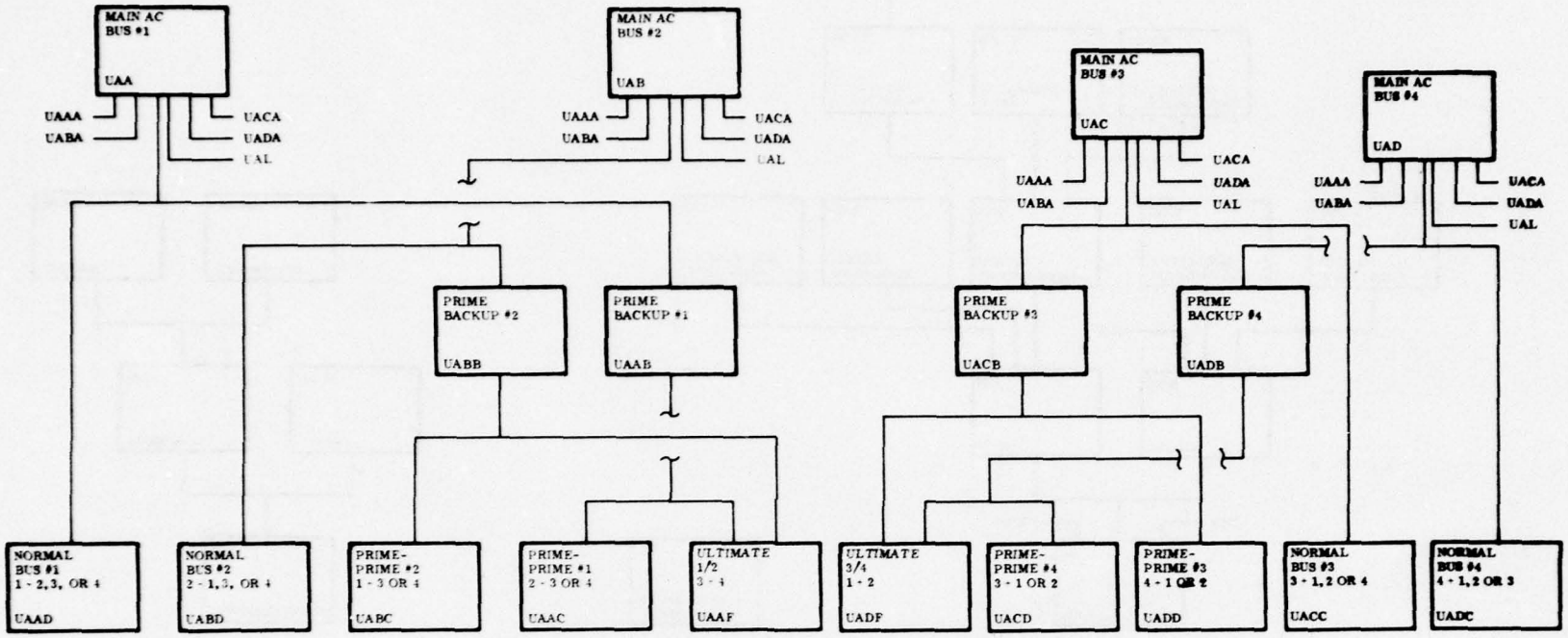
TITLE: GROUND CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	G-1



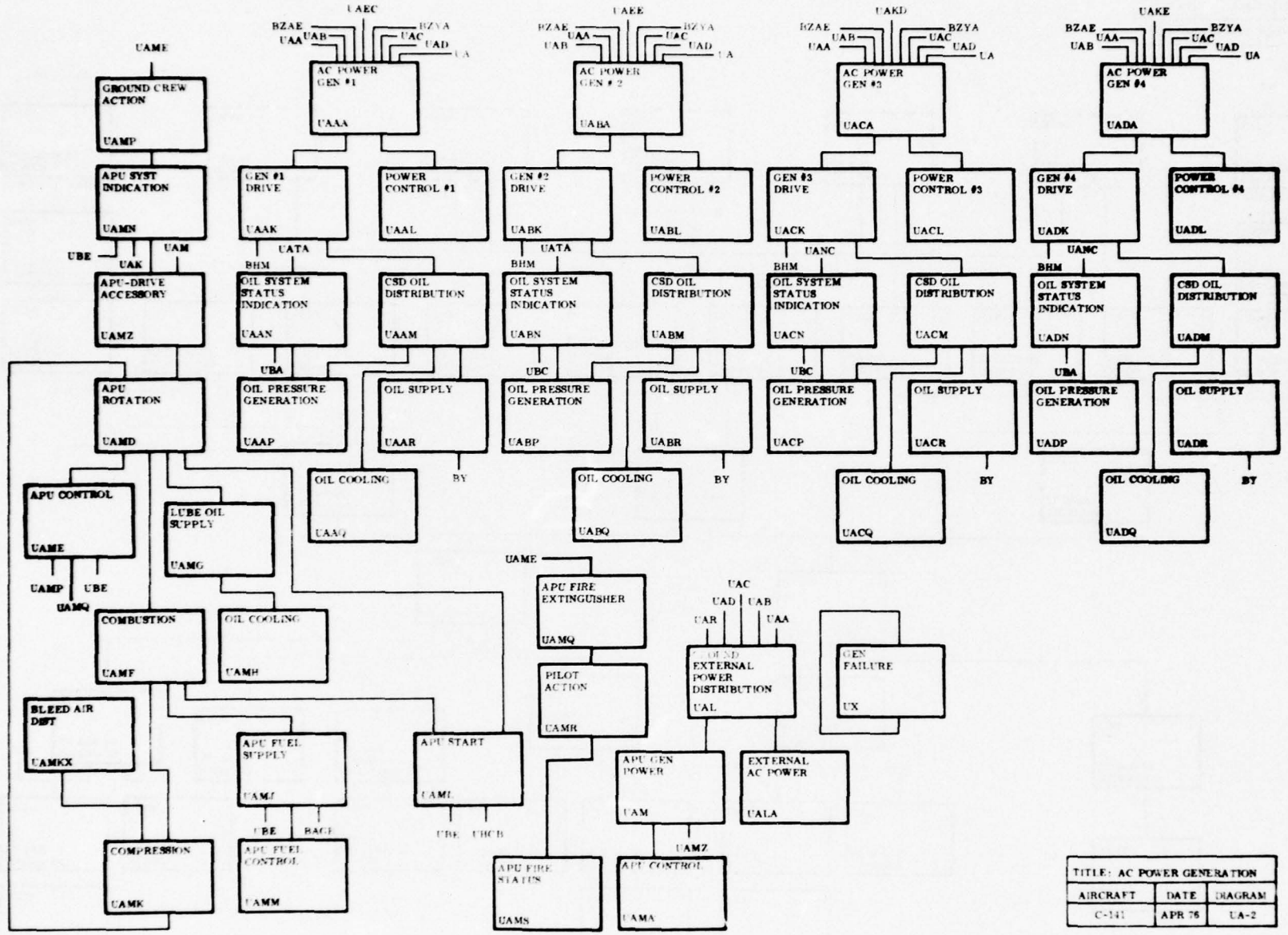
TITLE: LANDING GEAR		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	L-1



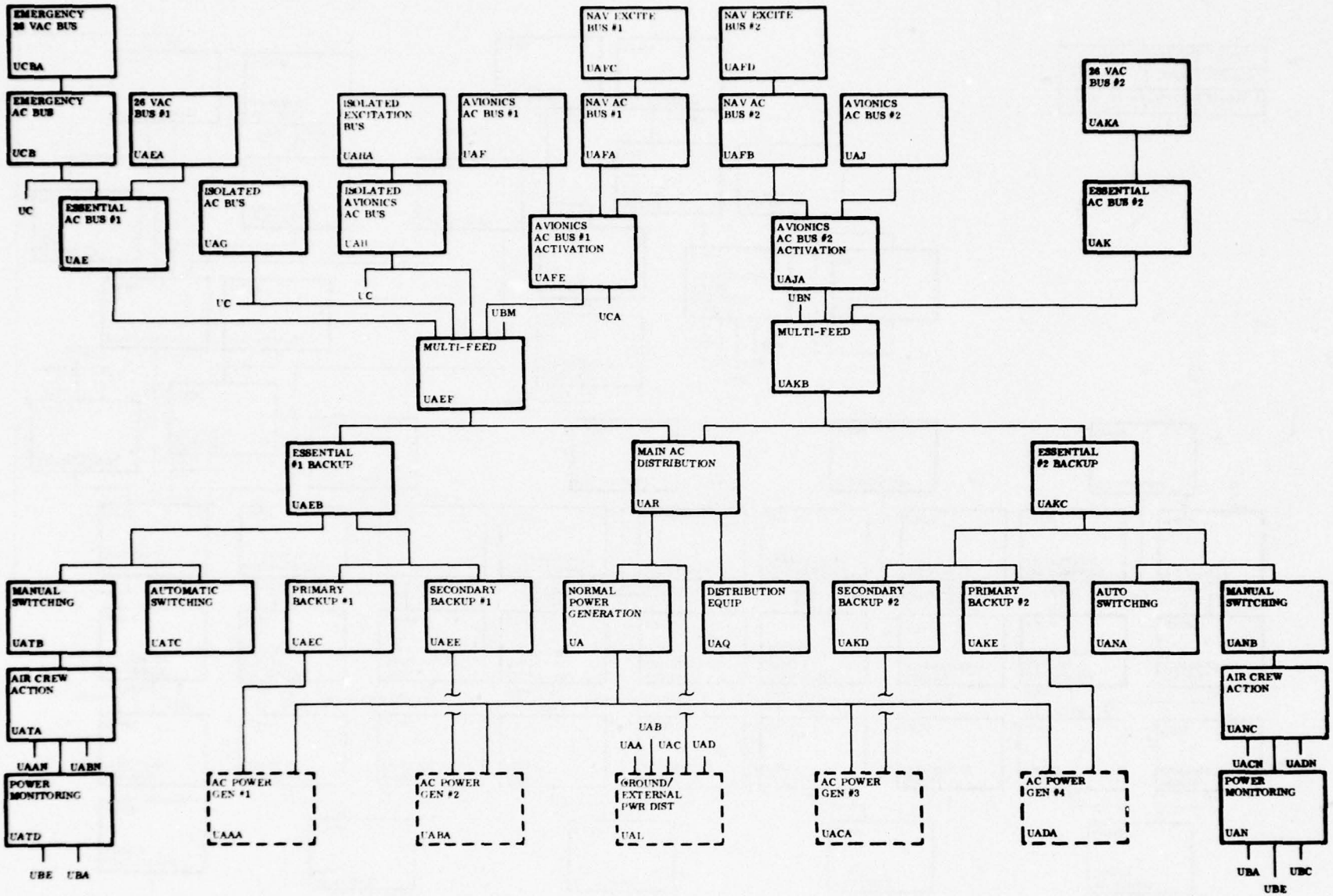
TITLE: MISSION SUPPORT		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	M-1



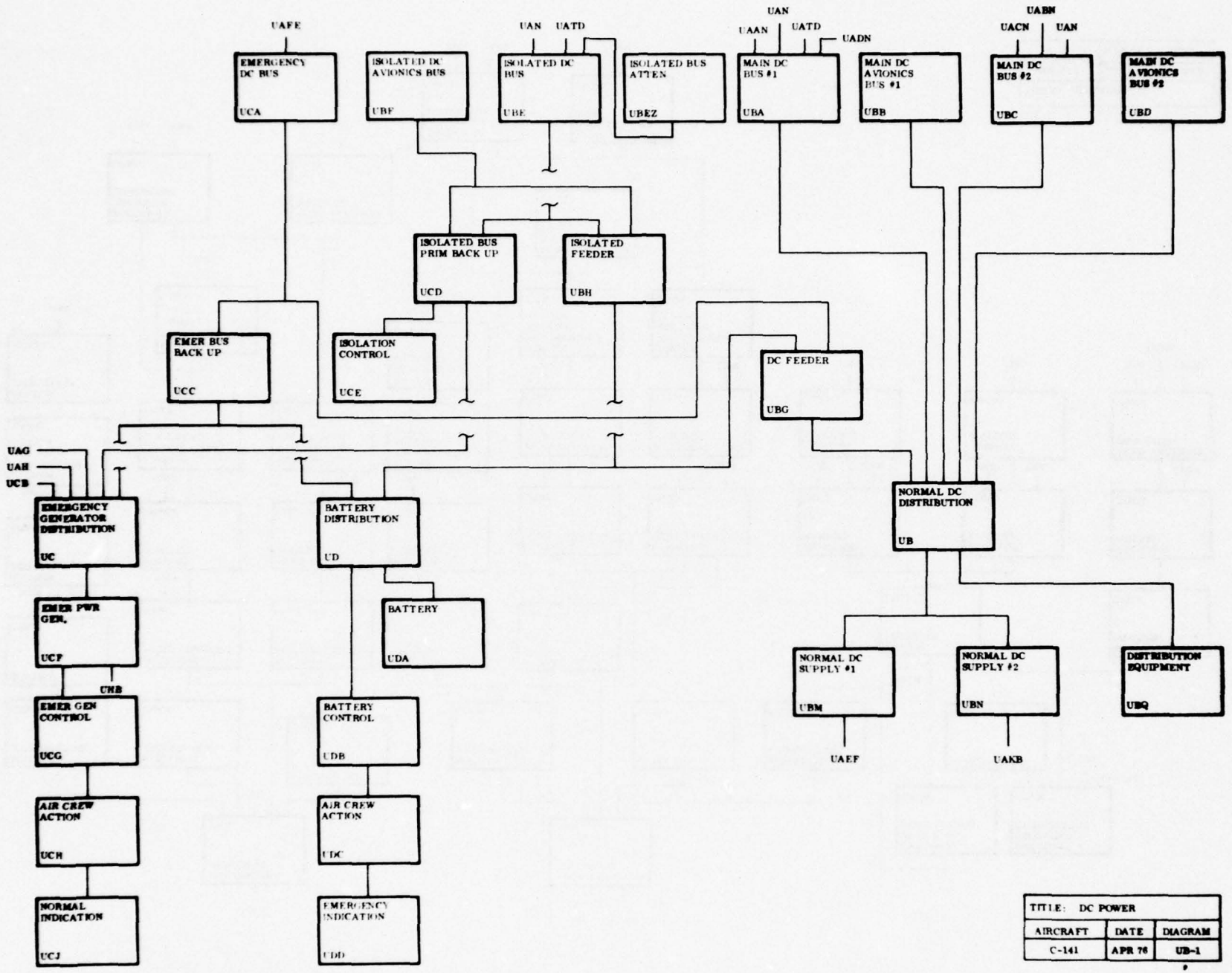
TITLE: MAIN AC POWER		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	UA-1

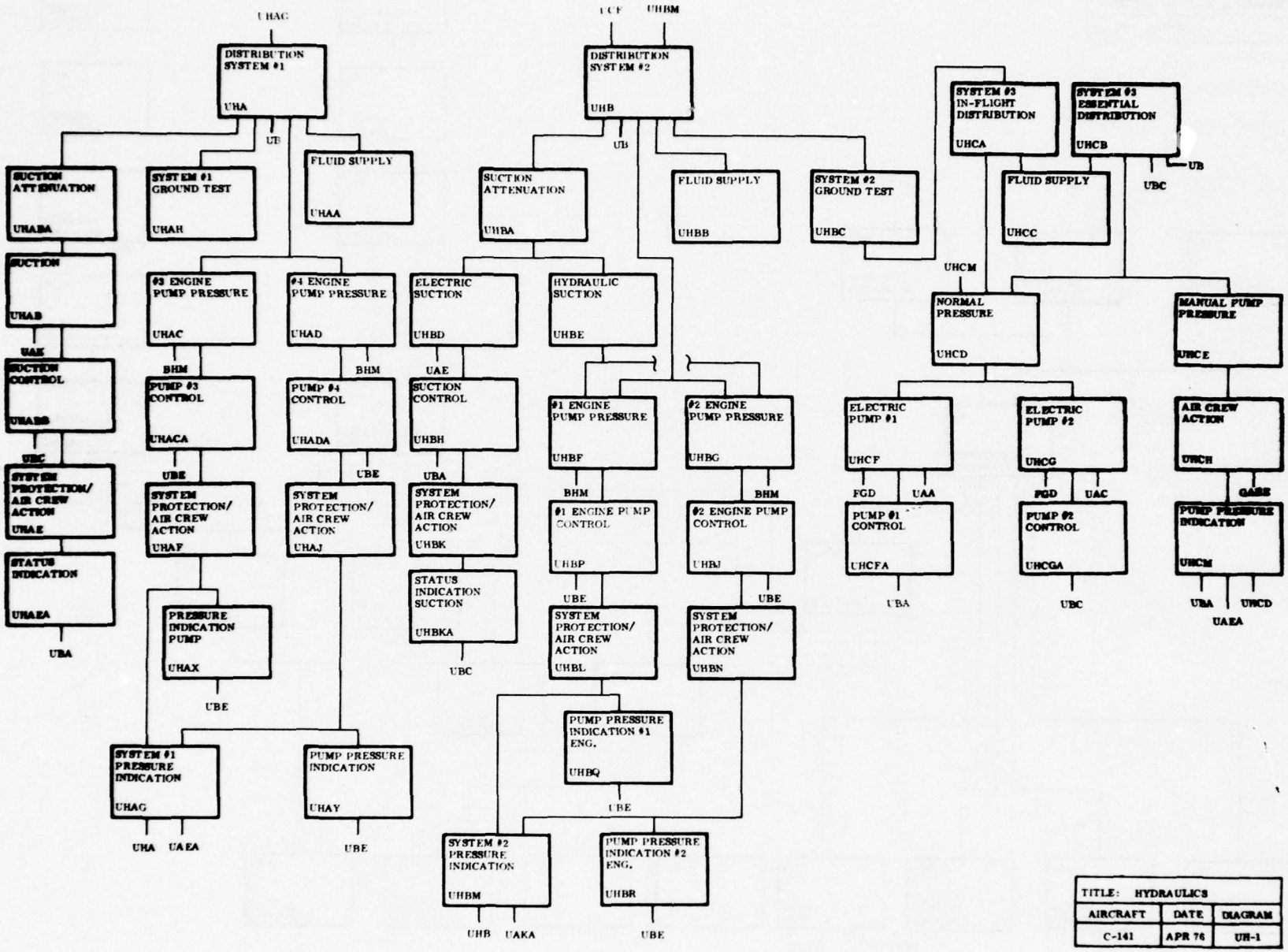


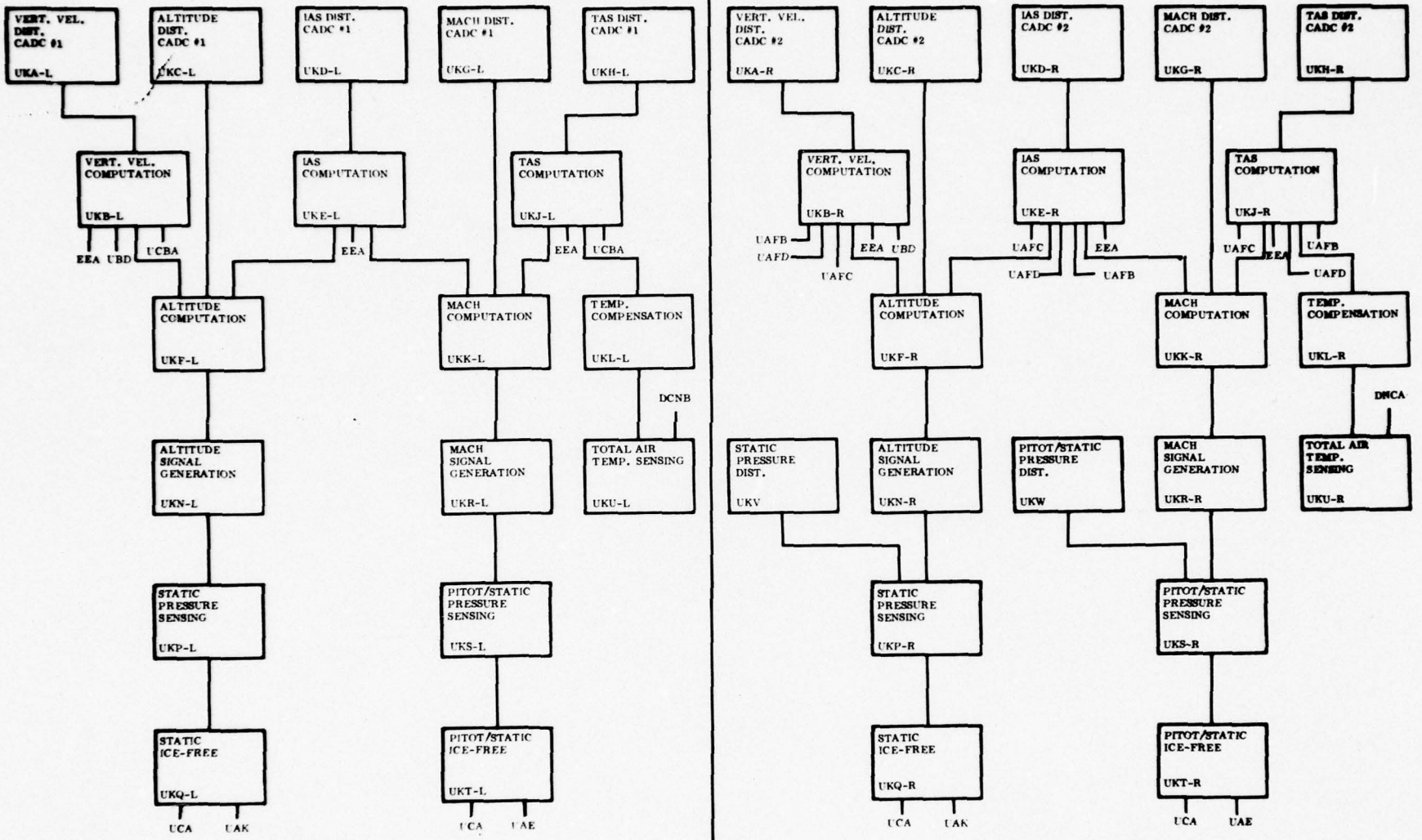
TITLE: AC POWER GENERATION		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	UA-2



TITLE: MULTIFEED AC POWER		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	UA-3


UAFE
EMERGENCY DC BUS
UCA
ISOLATED DC AVIONICS BUS
UBF
UAN
UATD
ISOLATED DC BUS
UBE
ISOLATED BUS ATTEN
UBEZ
UAN
UAAN
UATD
UADN
MAIN DC BUS #1
UBA
MAIN DC AVIONICS BUS #1
UBB
UABN
UACN
UAN
MAIN DC BUS #2
UBC
MAIN DC AVIONICS BUS #2
UBD
ISOLATED BUS PRIM BACK UP
UCD
ISOLATED FEEDER
UBH
EMER BUS BACK UP
UCC
ISOLATION CONTROL
UCE
DC FEEDER
UBG
UAG
UAH
UCB
EMERGENCY GENERATOR DISTRIBUTION
UC
BATTERY DISTRIBUTION
UD
NORMAL DC DISTRIBUTION
UB
EMER PWR GEN.
UCF
UNB
BATTERY
UDA
NORMAL DC SUPPLY #1
UBM
NORMAL DC SUPPLY #2
UBN
DISTRIBUTION EQUIPMENT
UBQ
UAEF
UAKB
EMER GEN CONTROL
UCG
BATTERY CONTROL
UDB
AIR CREW ACTION
UCH
AIR CREW ACTION
UDC
NORMAL INDICATION
UCJ
EMERGENCY INDICATION
UDD
TITLE: DC POWER
AIRCRAFT
DATE
DIAGRAM
C-141
APR 76
UB-1


UHAC
DISTRIBUTION SYSTEM #1
UHA
UB
SUCTION ATTENUATION
UHABA
SUCTION
UHAB
UAK
SUCTION CONTROL
UHABB
UBC
SYSTEM PROTECTION/ AIR CREW ACTION
UHAE
STATUS INDICATION
UHAEA
UBA
SYSTEM #1 GROUND TEST
UHAH
FLUID SUPPLY
UHAA
#3 ENGINE PUMP PRESSURE
UHAC
BHM
PUMP #3 CONTROL
UHACA
UBE
SYSTEM PROTECTION/ AIR CREW ACTION
UHAF
#4 ENGINE PUMP PRESSURE
UHAD
BHM
PUMP #4 CONTROL
UHADA
UBE
SYSTEM PROTECTION/ AIR CREW ACTION
UHAJ
PRESSURE INDICATION PUMP
UHAX
UBE
SYSTEM #1 PRESSURE INDICATION
UHAG
UHA
UAEA
PUMP PRESSURE INDICATION
UHAY
UBE
UCF
UHBM
DISTRIBUTION SYSTEM #2
UHB
UB
SUCTION ATTENUATION
UHBA
ELECTRIC SUCTION
UHBD
UAE
SUCTION CONTROL
UHBH
UBA
SYSTEM PROTECTION/ AIR CREW ACTION
UHBK
STATUS INDICATION SUCTION
UHBKA
UBC
HYDRAULIC SUCTION
UHBE
#1 ENGINE PUMP PRESSURE
UHBF
BHM
#1 ENGINE PUMP CONTROL
UHBP
UBE
SYSTEM PROTECTION/ AIR CREW ACTION
UHBL
#2 ENGINE PUMP PRESSURE
UHBG
BHM
#2 ENGINE PUMP CONTROL
UHBJ
UBE
SYSTEM PROTECTION/ AIR CREW ACTION
UHBN
PUMP PRESSURE INDICATION #1 ENG.
UHBQ
UBE
SYSTEM #2 PRESSURE INDICATION
UHBM
UHB
UAKA
PUMP PRESSURE INDICATION #2 ENG.
UHBR
UBE
FLUID SUPPLY
UHBB
SYSTEM #2 GROUND TEST
UHBC
SYSTEM #3 IN-FLIGHT DISTRIBUTION
UHCA
SYSTEM #3 ESSENTIAL DISTRIBUTION
UHCB
UB
UBC
FLUID SUPPLY
UHCC
UHCM
NORMAL PRESSURE
UHCD
MANUAL PUMP PRESSURE
UHCE
ELECTRIC PUMP #1
UHCF
FGD
UAA
PUMP #1 CONTROL
UHCFA
UBA
ELECTRIC PUMP #2
UHCG
FGD
UAC
PUMP #2 CONTROL
UHCGA
UBC
AIR CREW ACTION
UHCH
GABE
PUMP PRESSURE INDICATION
UHCM
UBA
UHCD
UAEA
TITLE: HYDRAULICS
AIRCRAFT
DATE
DIAGRAM
C-141
APR 76
UH-1



TITLE: AIR DATA COMPUTER		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	UK-1

```
0000000001111111111222222222233333333444444444455555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890123456789
PGG095.J1CC C-141    141                          1 141
141PROPULSION                                  B                              AAAAAAAAA
141NO.1 FEED                                   BAB                 BD         AAAAAAAAA
141WIRING                          46AAH       BACA                BAB     1
141CROSSFEED VALVE SHUTOFF         46EAH       BABB                BAB     1
141ACTUATOR CROSSFEED SHUTOFF      46FAJ       BABC                BAB     1
141PLUMBING                        46FAN       BABD                BAB     1
141HOSE                            46BAN       BABDA               BAB     1
141WIRING                          46BAP       BABE                BAB     1
141SWITCH ROTARY                   46DAA       BABF                BAB     1
141WIRING                          46EAE       BABG                BAB     1
141  L SEPERATION 2-1                          BABJ                BAB   K BAC   888888888
141VALVE-LEFT OR RIGHT MAN SEP     46FAE       BABJA               BABJ    A
141ACTUA-LEFT OR RIGHT MAN SEP     46EAF       BABJB               BABJ    A
141SWITCH-ROTARY                   46CAA       BABJC               BABJ    2
141PRIMARY FEED                                BAC                 BAB   BABJ  111111111
141NO1 AUX FEED                                BACA                BAC       111111111
141NO1 AUX FEED                                BACA                BAEJ      111111111
141NO1 AUX SUPPLY                              BACB                BACA      AAAAAAAAA
141SURGE BOX                       46AAB       BACBA               BACB    0
141FILLER CAP                      46AAC       BACBB               BACB    C
141FLAPPER VALVE FABRIC  4 EACH46AAD           BACBC               BACB    D
141FLAPPER VALVE METAL   4 EACH46AAE           BACBD               BACB    C
141VALVE CONDENSATE DRAIN          46FAF       BACBE               BACB    D
141EJECTOR-FUEL TRANSFER           46AAG       BACBF               BACB    1
141TANK AUXILLARY NO1 OR NO4       46AAL       BACBG               BACB    A
141NO1 AUX  PRI   PUMP                         BACC                BACA   BACF  111111111
141FUEL BOOSTER PUMP-AUX-EXT NO46EAB           BACCA               BACC      A
141CHECK VALVE                     46EAK       BACCB               BACC    1
141EJECTOR FUEL TRANSFER 2EA       46BAC       BACCG               BACC    1
141PUMP CONTROL                                BACD                BACC      AAAAAAAAA
141TOGEL SWITCH-BOOST              99468       BACDA               BACD      A
141RELAY                           46DAD       BACDB               BACD      A
141PRESSURE LOW LIGHT                          BACE                BACD       F111111111
141PRESSURE LOW LIGHT                          BACE                BACG       111111111
141WARNING LIGHT                   44EAR       BACEA               BACE      A
141SWITCH-LOW PRESSURE WARNING     46DAB       BACEB               BACE      A
141NO1 AUX  SEC   PUMP                         BACF                BACA   K BACC  AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-EXT NO46EAB           BACFA               BACF      A
141CHECK VALVE                     46EAK       BACFB               BACF    1
141EJECTOR FUEL TRANSFER 2EA       46BAC       BACFG               BACF    1
141PUMP CONTROL                                BACG                BACF      AAAAAAAAA
141TOGEL SWITCH-BOOST              99468       BACGA               BACG      A
141RELAY                           46DAD       BACGB               BACG      A
141PRESSURE LOW LIGHT                          BACH                BACG       000000000
141WARNING LIGHT                   44EAR       BACHA               BACH      A
141SWITCH-LOW PRESSURE WARNING     46DAB       BACHB               BACH      A
141OUTBD LH EXT RG FEED                        BACJ                BAC       111111111
141OUTBD LH EXT RG FEED                        BACJ                BAEJ      111111111
141LH EXT RG OTBD PUMP                         BACK                BACJ      AAAAAAAAA
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00000000011111111112222222223333333334444444445555555556666666667777777770
12345678901234567890123456789012345678901234567890123456789012345678901234
141FUEL BOOSTER PUMP-AUX-EXT 46A46AB    BACKA          BACK        A
141CHECK VALVE               46BAK      BACKB          BACK        1
141EJECTOR FUEL TRANSFER 2EA 46CAC      BACKG          BACK        1
141PUMP CONTROL                         BACL           BACK          AAAAAAAAA
141TOGGL SWITCH-BOOST        9946B      BACLA          BACL        A
141RELAY                     46DAD      BACLB          BACL        A
141PRESSURE LOW LIGHT                   BACM           BABJ   I BACK  111111111
141PRESSURE LOW LIGHT                   BACM           BACL        F111111111
141WARNING LIGHT             44CAR      BACMA          BACM        A
141SWITCH-LOW PRESSURE WARNING 46CAB    BACMB          BACM        A
141MAIN TO 1 FEED                       BAD            BAC           111111111
141SJCTION FEED                         BADA           BAD    K BADC  AAAAAAAAA
141NO.1 MAIN SUPPLY                     BADB           BAD           3AAAAAAAAA
141NO.1 MAIN SUPPLY                     BADB           BADA          FAAAAAAAAA
141NO.1 MAIN SUPPLY                     BADB           BADC          FAAAAAAAAA
141NO.1 MAIN SUPPLY                     BADB           BAEJ          S111111111
141SURGE BOX                 46AAB      BADBA          BADB        U
141FILLER CAP                46AAC      BADBB          BADB        U
141FLAP VLV FABRIC%4<  46AAF 46AAD      BADBC          BADB        U
141FLAP VLV METAL  %4<  46AAD 46AAE     BADBD          BADB        0
141VALVE COMB. DRAIN     3EACH 46AAF    BADBE          BADB        0
141EJECTOR FUEL TRANS.       46AAG      BADBF          BADB        1
141TANK MAIN NO.1 OR 4       46AAJ      BADBG          BADB        A
141NO.1 MAIN FEED                       BADC           BAD      BADA  111111111
141NO.1 MAIN FEED                       BADC           BAEJ          111111111
141CHECK VALVE               46BAK      BADCA          BADC        A
141PUMP CONTROL                         BADD           BADC          AAAAAAAAA
141TOGGL SWITCH-BOOST    2 EACH9946B    BADDA          BADD        1
141RELAY                     46DAD      BADDB          BADD        1
141PRESSURE LOW LIGHT                   BADE           BADD   I BADF  222222222
141WARNING LIGHT             44BAR      BADEA          BADE        A
141SWITCH-LOW PRESSURE WARNING 46DAB    BADEB          BADE        A
141NO1 MAIN PRI   PUMP                  BADF           BADC     BADG  111111111
141FUEL BOOSTER PUMP-MAIN TANK 46PAA    BADFA          BADF        A
141CHECK VALVE               46BAK      BADFB          BADF        1
141EJECTOR FUEL TRANSFER 2EA 46BAC      BADFG          BADF        1
141NO1 MAIN SEC   PUMP                  BADG           BADC   K BADF  AAAAAAAAA
141FUEL BOOSTER PUMP-MAIN TANK 46EAA    BADGA          BADG        A
141CHECK VALVE               46PAK      BADGB          BADG        1
141FILLER CAP                46AAC      BADGBB         BAGB        0
141EJECTOR FUEL TRANSFER 2EA 46BAC      BADGG          BADG        1
141NO.2 FEED                            BAE            BV            AAAAAAAAA
141WIRING                    46AAH      BAEA           BAE         1
141CROSSFEED VALVE SHUTOFF   46PAH      BAEB           BAE         1
141ACTUATOR CROSSFEED SHUTOFF 46AAJ     BAEC           BAE         1
141PLUMPING                  46BAN      BAED           BAE         1
141HOSE                      46EAM      BAEDA          BAE         1
141WIRING                    46BAP      BAEE           BAE         1
141SWITCH ROTARY             46DAA      BAEF           BAE         1
141WIRING                    46DAE      BAEG           BAE         1
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000000000011111111112222222222333333333444444444455555555566666666677777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678901
141  L SEPERATION 1-2                          BAEJ          BAE    K BAF    111111111
141  L SEPERATION 1-2                          BAEJ          BAHK             111111111
141VALVE-LEFT OR RIGHT MAN SEP 46BAE   BAEJA          BAEJ             A
141ACTUA-LEFT OR RIGHT MAN SEP 46BAF   BAEJB          BAEJ             A
141SWITCH,ROTARY               46DAA   BAEJC          BAEJ             2
141CENTSEPERATION R-L                  BAEK           BABJ               111111111
141CENTSEPERATION R-L                  BAEK           BAE    K BAF       111111111
141SHUTOFF VALVE CENTER MANIF. 46EAD   BAEKA          BAEK             A
141ACTUATOR                    46EAL   BAEKB          BAEK             A
141SWITCH-ROTARY               46DAA   BAEKC          BAEK             2
141PRIMARY FEED                        BAF            BAE      BAEJ    111111111
141INBD  LH EXT RG FEED                BAFA           BABJ               111111111
141INBD  LH EXT RG FEED                BAFA           BAF                111111111
141INBD  LH EXT RG FEED                BAFA           BAHK               111111111
141LH EXTD RG SUPPLY                   BAFP           BACJ               AAAAAAAAA
141LH EXTD RG SUPPLY                   BAFB           BAFA               AAAAAAAAA
141SURGE BOX                   46AAE   BAFBA          BAFB             1
141FILLER CAP                  46AAC   BAFBB          BAFB             1
141FLAPPER VALVE FABRIC  2 EACH46AAD   BAFBC          BAFB             0
141FLAPPER VALVE METAL   2 EACH46AAE   BAFBD          BAFB             0
141VALVE CONDENSATE DRAIN      46AAF   BAFBE          BAFB             0
141EJECTOR FUEL TRANSFER       46AAG   BAFBF          BAFB             1
141TANK EXTENDED RANGE         46AAN   BAFBG          BAFB             A
141LH EXT RG INBD PUMP                 BAFC           BAFA               AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-EXT RG46EAB   BAFCA          BAFC             A
141CHECK VALVE                 46EAK   BAFCB          BAFC             1
141EJECTOR FUEL TRANSFER 2EA   46BAC   BAFCG          BAFC             1
141PUMP CONTROL                        BAFD           BAFC               AAAAAAAAA
141TOGEL SWITCH-BOOST          99468   BAFDA          BAFD             A
141RELAY                       46LAC   BAFDB          BAFD             A
141PRESSURE LOW LIGHT                  BAFE           BAEJ    I BAFC     111111111
141PRESSURE LOW LIGHT                  BAFE           BAFD              F111111111
141WARNING LIGHT               44EAR   BAFEA          BAFE             A
141SWITCH-LOW PRESSURE WARNING 46DAB   BAFEB          BAFE             A
141NO2 AUX FEED                        BAFF           BABJ               111111111
141NO2 AUX FEED                        BAFF           BAF                111111111
141NO2 AUX FEED                        BAFF           BAHK               111111111
141NO2 AUX SUPPLY                      BAFG           BAFF               AAAAAAAAA
141SURGE BOX                   46AAB   BAFGA          BAFG             0
141FILLER CAP                  46AAC   BAFGB          BAFG             0
141FLAPPER VALVE FABRIC  4 EACH46AAD   BAFGC          BAFG             0
141FLAPPER VALVE METAL   4 EACH46AAE   BAFGD          BAFG             0
141VALVE CONDENSATE DRAIN      46AAF   BAFGE          BAFG             0
141EJECTOR-FUEL TRANSFER       46AAG   BAFGF          BAFG             1
141TANK AUXILLARY NR2 OR NR3   46AAM   BAFGG          BAFG             A
141NO2 AUX  PRI   PUMP                 BAFH           BAFF     BAFL    111111111
141FUEL BOOSTER PUMP-AUX-EXT RG46BAB   BAFHA          BAFH             A
141CHECK VALVE                 46BAK   BAFHB          BAFH             1
141EJECTOR FUEL TRANSFER 2EA   46BAC   BAFHG          BAFH             1
141PUMP CONTROL                        BAFJ           BAFH               AAAAAAAAA
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0000000011111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890123456789
141TOGEL SWITCH-BOOST          99466   BAFJA          BAFJ          A
141RELAY                       46DAD   BAFJB          BAFJ          A
141PRESSURE LOW LIGHT                  BAFK           BAFJ          S111111111
141PRESSURE LOW LIGHT                  BAFK           BAFM          111111111
141WARNING LIGHT               44BAR   BAFKA          BAFK          A
141SWITCH-LOW PRESSURE WARNING 46DAB   BAFKB          BAFK          A
141NO2 AUX SEC   PUMP                  BAFL           BAFF  K BAFH  AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-EXT RG46BAB   BAFLA          BAFL          A
141CHECK VALVE                 46BAK   BAFLB          BAFL          1
141EJECTOR FUEL TRANSFER 2EA   46BAC   BAFLG          BAFL          1
141PUMP CONTROL                        BAFM           BAFL          AAAAAAAAA
141TOGEL SWITCH-BOOST          99468   BAFMA          BAFM          A
141RELAY                       46DAD   BAFMB          BAFM          A
141PRESSURE LOW LIGHT                  BAFN           BAFM          000000000
141WARNING LIGHT               44BAR   BAFNA          BAFN          A
141SWITCH-LOW PRESSURE WARNING 46DAB   BAFNB          BAFN          A
141MAIN TO 2 FEED                      BAG            BAF           111111111
141SUCTION FEED                        BAGA           BAG   K BAGC  AAAAAAAAA
141NO.2 MAIN SUPPLY                    BAGB           BABJ          S111111111
141NO.2 MAIN SUPPLY                    BAGB           BAG           SAAAAAAAAA
141NO.2 MAIN SUPPLY                    BAGB           BAGA          FAAAAAAAAA
141NO.2 MAIN SUPPLY                    BAGB           BAGC          FAAAAAAAAA
141NO.2 MAIN SUPPLY                    BAGB           BAHK          S111111111
141NO.2 MAIN SUPPLY                    BAGB           UAMJ          AAAAAAAAA
141SURGE BOX                   46BAB   BAGBA          BAGB          0
141FLAP VLV  FABRIC#1<   46BAE 46BAD   BAGBC          BAGB          0
141FLAP VLV METAL  #1<   46BAD 46BAE   BAGBD          BAGB          0
141 VALVE COND SPACE DRAIN 2EA 46BAF   BAGBE          BAGB          0
141EJECTOR FUEL TRANS.         46BAG   BAGBF          BAGB          1
141TANK MAIN NO.2 OR 3         46BAK   BAGBG          BAGB          A
141NO.2 MAIN FEED                      BAGC           BABJ          111111111
141NO.2 MAIN FEED                      BAGC           BAG     BAGA  111111111
141NO.2 MAIN FEED                      BAGC           BAHK          111111111
141PUMP CONTROL                        BAGD           BAGC          AAAAAAAAA
141TOGEL SWITCH-BOOST    2 EACH99468   BAGDA          BAGD          1
141RELAY                       46DAD   BAGDB          BAGD          1
141PRESSURE LOW LIGHT                  BAGE           BAGD  I BAGF  222222222
141WARNING LIGHT               44BAR   BAGEA          BAGE          A
141SWITCH-LOW PRESSURE WARNING 46DAB   BAGEB          BAGE          A
141NO2 MAIN PRI   PUMP                 BAGF           BAGC    BAGG  111111111
141FUEL BOOSTER PUMP-MAIN TANK 46BAA   BAGFA          BAGF          A
141CHECK VALVE                 46BAK   BAGFB          BAGF          1
141EJECTOR FUEL TRANSFER 2EA   46BAC   BAGFG          BAGF          1
141NO2 MAIN SEC   PUMP                 BAGG           BAGC  K BAGF  AAAAAAAAA
141FUEL BOOSTER PUMP-MAIN TANK 46BAA   BAGGA          BAGG          A
141CHECK VALVE                 46DAK   BAGGB          BAGG          1
141EJECTOR FUEL TRANSFER 2EA   46BAC   BAGGG          BAGG          1
141NO.3 FEED                           BAH            BW            AAAAAAAAA
141XFING                       46BAH   BAHA           BAH           1
141CROSSFEED VALVE SHUTOFF     46BAH   BAHB           BAH           1
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00000000011111111112222222223333333334444444444555555555666666666777777777788
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141ACTUATOR CROSSFEED SHUTOFF   46BAJ    BAHC          BAH          1
141PLUMBING                     46BAM    BAHD          BAH          1
141HOSE                         46BAM    BAHDA         BAH          1
141WIRING                       46BAP    BAHE          BAH          1
141SWITCH ROTARY                46DAA    BAHF          BAH          1
141WIRING                       46DAE    BAHG          BAH          1
141  R SEPERATION 4-3                    BAHJ          BALK            111111111
141  R SEPERATION 4-3                    BAHJ          BAH    K BAJ    111111111
141VALVE-LEFT OR RIGHT MAN SEP  46BAE    BAHJA         BAHJ         A
141ACTUA-LEFT OR RIGHT MAN SEP  46BAF    BAHJB         BAHJ         A
141SWITCH,ROTARY                46DAA    BAHJC         BAHJ         2
141CENTSEPERATION L-R                    BAHK          BAH    K BAJ    111111111
141CENTSEPERATION L-R                    BAHK          BALJ            111111111
141SHUTOFF VALVE CENTER MANIF.  46BAL    BAHKA         BAHK         A
141ACTUATOR                     46BAL    BAHKB         BAHK         A
141SWITCH-ROTARY                46DAA    BAHKC         BAHK         2
141PRIMARY FEED                          BAJ           BAH     BAHJ    111111111
141NO3 AUX FEED                          BAJA          BAEK            111111111
141NO3 AUX FEED                          BAJA          BAJ             111111111
141NO3 AUX FEED                          BAJA          BALJ            111111111
141NO3 AUX SUPPLY                        BAJB          BAJA            AAAAAAAAA
141SURGE BOX                    46AAH    BAJBA         BAJB         0
141FILLER CAP                   46AAC    BAJBB         BAJB         0
141FLAPPER VALVE FABRIC  3 EACH46AAD     BAJBC         BAJB         0
141FLAPPER VALVE METAL   3 EACH46AAE     BAJBD         BAJB         0
141VALVE CONDENSATE DRAIN       46AAF    BAJBE         BAJB         0
141EJECTOR-FUEL TRANSFER        46AAG    BAJBF         BAJB         1
141TANK AUXILLARY NR2 OR NR3    46AAM    BAJBG         BAJB         A
141NO3 AUX  PRI   PUMP                   BAJC          BAJA     BAJF    111111111
141FUEL BOOSTER PUMP-AUX-EXT RG46FAB     BAJCA         BAJC         A
141CHECK VALVE                  46BAK    BAJCB         BAJC         1
141EJECTOR FUEL TRANSFER 2EA    46BAC    BAJCG         BAJC         1
141PUMP CONTROL                          BAJD          BAJC            AAAAAAAAA
141TOGEL SWITCH-BOOST           9946B    BAJDA         BAJD         A
141RELAY                        46DAD    BAJDB         BAJD         A
141PRESSURE LOW LIGHT                    BAJE          BAJD          F111111111
141PRESSURE LOW LIGHT                    BAJE          BAJG            111111111
141WARNING LIGHT                44BAR    BAJEA         BAJE         A
141SWITCH-LOW PRESSURE WARNING  46DAB    BAJEB         BAJE         A
141NO3 AUX  SEC   PUMP                   BAJF          BAJA   K BAJC   AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-EXT RG46FAB     BAJFA         BAJF         A
141CHECK VALVE                  46BAK    BAJFB         BAJF         1
141EJECTOR FUEL TRANSFER 2EA    46BAC    BAJFG         BAJF         1
141PUMP CONTROL                          BAJG          BAJF            AAAAAAAAA
141TOGEL SWITCH                 9946B    BAJGA         BAJG         A
141RELAY                        46DAD    BAJGB         BAJG         A
141PRESSURE LOW LIGHT                    BAJH          BAJG            000000000
141WARNING LIGHT                44BAR    BAJHA         BAJH         A
141SWITCH-LOW PRESSURE WARNING  46DAB    BAJHB         BAJH         A
1410UTBD RH EXT RG FEED                  BAJJ          BAEK            111111111
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00000000011111111112222222223333333334444444445555555556666666677777777773
12345678901234567890123456789012345678901234567890123456789012345678901234
141OUTBD RH EXT RG FEED                    BAJJ          BAJ          111111111
141OUTBD RH EXT RG FEED                    BAJJ          BALJ         111111111
141RH EXT RG NTRP PUMP                     BAJK          BAJJ         AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-LXT RG46EAB       BAJKA         BAJK       A
141CHECK VALVE                  46EAK      BAJKB         BAJK       1
141EJECTOR FUEL TRANSFER 2EA    46EAC      BAJKG         BAJK       1
141PUMP CONTROL                            BAJL          BAJK         AAAAAAAAA
141TOGEL SWITCH                 99466      BAJLA         BAJL       A
141RELAY                        46DAD      BAJLB         BAJL       A
141PRESSURE LOW LIGHT                      BAJM          BAHJ   I BAJK  111111111
141PRESSURE LOW LIGHT                      BAJM          BAJL         F111111111
141WARNING LIGHT                44EAK      BAJMA         BAJM       A
141SWITCH-LOW PRESSURE WARNING  46DAB      BAJMB         BAJM       A
141MAIN TO 3 FEED                          BAK           BAJ          111111111
141SUCTION FEED                            BAKA          BAK    K BAKC  AAAAAAAAA
141NO.3 MAIN SUPPLY                        BAKB          BAEK         S111111111
141NO.3 MAIN SUPPLY                        BAKB          BAK          SAAAAAAAAA
141NO.3 MAIN SUPPLY                        BAKB          BAKA         FAAAAAAAAA
141NO.3 MAIN SUPPLY                        BAKB          BAKC         FAAAAAAAAA
141NO 3 MAIN SUPPLY                        BAKB          BALJ         S111111111
141SURGE BOX                    46AAB      BAKBA         BAKB       0
141FILLER CAP                   46AAC      BAKBB         BAKB       0
141FLAP VLV FABRICATE  46AAE 46AAD         BAKBC         BAKB       0
141FLAP VLV METAL FAB  46AAD 46AAE         BAKBD         BAKB       0
141VALVE COND. DRAIN      2EACH 46AAF      BAKBE         BAKB       0
141EJECTOR FUEL TRANS.          46AAG      BAKBF         BAKB       1
141TANK MAIN NO.2 OR 3          46AAK      BAKBG         BAKB       A
141NO.3 MAIN FEED                          BAKC          BAEK         111111111
141NO.3 MAIN FEED                          BAKC          BAK      BAKA  111111111
141NO.3 MAIN FEED                          BAKC          BALJ         111111111
141PUMP CONTROL                            BAKD          BAKC         AAAAAAAAA
141TOGEL SWITCH-BOOST     2 EACH99466      BAKDA         BAKD       A
141RELAY                        46DAD      BAKDB         BAKD       1
141PRESSURE LOW LIGHT                      BAKE          BAKD   I BAKF  222222222
141WARNING LIGHT                44EAR      BAKEA         BAKE       A
141SWITCH-LOW PRESSURE WARNING  46DAB      BAKEB         BAKE       A
141NO3 MAIN PRI   PUMP                     BAKF          BAKC   BAKG  111111111
141FUEL BOOSTER PUMP-MAIN TANK  46EAA      BAKFA         BAKF       A
141CHECK VALVE                  46EAK      BAKFB         BAKF       1
141EJECTOR FUEL TRANSFER 2EA    46EAC      BAKFG         BAKF       1
141NO3 MAIN SEC   PUMP                     BAKG          BAKC   K BAKF  AAAAAAAAA
141FUEL BOOSTER PUMP-MAIN TANK  46EAA      BAKGA         BAKG       A
141CHECK VALVE                  46EAK      BAKGB         BAKG       1
141EJECTOR FUEL TRANSFER 2EA    46EAC      BAKGG         BAKG       1
141NO.4 FEED                               BAL           BX           AAAAAAAAA
141WIRING                       46AAH      BALA          BAL        1
141CROSSFEED VALVE SHUTOFF      46EAH      BALB          BAL        1
141ACTUATOR CROSSFEED SHUTOFF   46EAJ      BALC          BAL        1
141PLUMBING                     46EAN      BALD          BAL        1
141HOSE                         46EAM      BALDA         BAL        1
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0000000011111111112222222233333333444444444555555556666666677777777
12345678901234567890123456789012345678901234567890123456789012345678
141WIRING                          46BAP   BALF          BAL          1
141SWITCH ROTARY                   46DAA   BALF          BAL          1
141WIRING                          46DAE   BALG          BAL          1
141  3 SEPERATION 3-4                      BALJ          BAL    K BAM   88888888
141VALVE-LEFT OR RIGHT MAN SEP     46FAE   BALJA         BALJ         A
141ACTUA-LEFT OR RIGHT MAN SEP     46FAF   BALJB         BALJ         A
141SWITCH,ROTARY                   46DAA   BALJC         BALJ         2
141PRIMARY FEED                            BAM           BAL      BALJ  111111111
141INBD  RH EXT RG FEED                    BAMA          BAHJ           111111111
141INBD  RH EXT RG FEED                    BAMA          BAM            111111111
141RH EXTD RG SUPPLY                       BAMB          BAJJ           AAAAAAAAA
141RH EXTD RG SUPPLY                       BAMB          BAMA           AAAAAAAAA
141SURGE BOX                       46AAB   BAMBA         BAMB         1
141FILLER CAP                      46AAC   BAMBB         BAMB         1
141FLAPPER VALVE FABRIC  2 EACH46AAD       BAMBC         BAMB         0
141FLAPPER VALVE METAL   2 EACH46AAE       BAMBD         BAMB         0
141VALVE CONDENSATE DRAIN          46AAF   BAMBE         BAMB         0
141EJECTOR FUEL TRANSFER           46AAG   BAMBF         BAMP         1
141TANK EXTENDED RANGE             46AAN   BAMBG         BAMP         A
141RH EXT RG INBD PUMP                     BAMC          BAMA           AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-EXT PG46EAB       BAMCA         BAMC         A
141CHECK VALVE                     46BAK   BAMCB         BAMC         1
141EJECTOR FUEL TRANSFER 2EA       46BAC   BAMCG         BAMC         1
141PUMP CONTROL                            BAMD          BAMC           AAAAAAAAA
141TOGEL SWITCH                    9946B   BAMDA         BAMD         A
141RELAY                           46DAD   BAMDB         BAMD         A
141PRESSURE LOW LIGHT                      BAME          BALJ   I BAMC  111111111
141PRESSURE LOW LIGHT                      BAME          BAMD           F11111111
141WARNING LIGHT                   44BAR   BAMEA         BAME         A
141SWITCH-LOW PRESSURE WARNING     46DAB   BAMEB         BAME         A
141NO4 AUX FEED                            BAMF          BAHJ           111111111
141NO4 AUX FEED                            BAMF          BAM            111111111
141NO4 AUX SUPPLY                          BAMG          BAMF           AAAAAAAAA
141SURGE BOX                       46AAB   BAMGA         BAMG         0
141FILLER CAP                      46AAC   BAMGB         BAMG         0
141FLAPPER VALVE FABRIC  3 EACH46AAD       BAMGC         BAMG         0
141FLAPPER VALVE METAL   3 EACH46AAE       BAMGD         BAMG         0
141VALVE CONDENSATE DRAIN          46AAF   BAMGE         BAMG         0
141EJECTOR-FUEL TRANSFER           46AAG   BAMGF         BAMG         1
141TANK AUXILLARY PRI OR NR4       46AAL   BAMGG         BAMG         A
141NO4 AUX  PRI   PUMP                     BAMH          BAMF     BAML  111111111
141FUEL BOOSTER PUMP-AUX-EXT PG46EAB       BAMHA         BAMH         A
141CHECK VALVE                     46BAK   BAMHB         BAMH         1
141EJECTOR FUEL TRANSFER 2EA       46BAC   BAMHG         BAMH         1
141PUMP CONTROL                            BAMJ          BAMH           AAAAAAAAA
141TOGEL SWITCH                    9946B   BAMJA         BAMJ         A
141RELAY                           46DAD   BAMJB         BAMJ         A
141PRESSURE LOW LIGHT                      BAMK          BAMJ           F11111111
141PRESSURE LOW LIGHT                      BAMK          BAMM           111111111
141WARNING LIGHT                   44BAR   BAMKA         BAMK         A
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C000000001111111111222222222333333333444444444455555555566666666777777777
123456789012345678901234567890123456789012345678901234567890123456789012345
141SWITCH-LOW PRESSURE WARNING 46DA3  BAMKB   BAMK      A
141NO.4 AUX SEC PUMP                  BAML    BAMF  K BAMH  AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-TANK 46EAA   BAMLA   BAML      A
141CHECK VALVE                46EAK   BAMLB   BAML      1
141EJECTOR FUEL TRANSFER 2EA  46E7C   BAMLG   BAML      1
141PUMP CONTROL                       BAMM    BAML        AAAAAAAAA
141TOGGLE SWITCH              99465   BAMMA   BAMM      A
141RELAY                      46DAD   BAMMB   BAMM      A
141PRESSURE LOW LIGHT                 BAMN    BAMM        000000000
141WARNING LIGHT              44EAK   BAMNA   BAMN      A
141SWITCH-LOW PRESSURE WARNING 46DAB  BAMNB   BAMN      A
141MAIN TO 4 FEED                     BAM     BAM       111111111
141SUCTION FEED                       BANA    BAN   K BANC  AAAAAAAAA
141NO.4 MAIN SUPPLY                   BANB    BAHJ        S111111111
141NO.4 MAIN SUPPLY                   BANB    BAN         SAAAAAAAAA
141NO.4 MAIN SUPPLY                   BANB    BANA        FAAAAAAAAA
141NO.4 MAIN SUPPLY                   BANB    BANC        FAAAAAAAAA
141SURGE BOX                  46AAB   BANBA   BANB      0
141FILLER CAP                 46AAC   BANBB   BANB      0
141FLAP VLV FABRIC 34<  46AAE 46AAD   BANBC   BANB      0
141FLAP VLV METAL  34<  46AAD 46AAE   BANBD   BANB      0
141VALVE COND. DRAIN    3EACH 46AAF   BANBE   BANB      0
141EJECTOR FUEL TRANS.        46AAG   BANBF   BANB      1
141TANK MAIN NO 1 OF 4        46AAJ   BANBG   BANB      A
141NO.4 MAIN FEED                     BANC    BAHJ        111111111
141NO.4 MAIN FEED                     BANC    BAN   BANA  111111111
141CHECK VALVE                46BAK   BANCA   BANC      A
141PUMP CONTROL                       BAND    BANC        AAAAAAAAA
141TOGGLE SWITCH          2 EACH99462 BANDA   BAND      1
141RELAY                      46DAD   BANDB   BAND      1
141PRESSURE LOW LIGHT                 BANE    BAND  I BANF  222222222
141WARNING LIGHT              44BAK   BANEA   BANE      A
141SWITCH-LOW PRESSURE WARNING 46DAB  BANEB   BANE      A
141NO4 MAIN PRI   PUMP                BANF    BANC    BANG  111111111
141FUEL BOOSTER PUMP-MAIN TANK 46BAA  BANFA   BANF      A
141CHECK VALVE                46BAK   BANFB   BANF      1
141EJECTOR FUEL TRANSFER 2EA  46EAC   BANFG   BANF      1
141NO4 MAIN SEC   PUMP                BANG    BANC  K BANF  AAAAAAAAA
141FUEL BOOSTER PUMP-MAIN TANK 46BAA  BANGA   BANG      A
141CHECK VALVE                46BAK   BANGB   BANG      1
141EJECTOR FUEL TRANSFER 2EA  46BAC   BANGG   BANG      1
141REFUEL - GROUND                    BAP     B           0C0000000
141VALVE-FUEL DRAIN           46CAA   BAPA    BAP       0
141ADAPTER - REFUELING        46CAB   BAPB    BAP       1
141VALVE MANIFOLD ISOLATION   46CAC   BAPC    BAP       A
141ACTUATOR -MANIF. ISO. VALVE 46CAD  BAPD    BAP       A
141CHECK VALVE                46CAE   BAPE    BAP       A
141VALVE-OVERFLOW LEVEL CONTROL 46CAF BAPF    BAP       A
141REFUELING ADAPTER          46CAG   BAPG    BAP       0
141VALVE THERMAL RELIEF CHECK 46CAH   BAPH    BAP       0
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1234567890123456789012345678901234567890123456789012345678901234567890123456890
141PUMP-REFUEL DRAIN AND TRANS      46CAJ   BAPJ          BAP          1
141VALVE-MOTOR OPERATED,SHUTOF      46CAK   BAPK          BAP          A
141PLUMBING                         46CAL   BAPL          BAP          A
141WIRING                           46CAM   BAPM          BAP          2
141PUMP SPR DRAIN                   46CAN   BAPN          BAP          1
141SWITCH TOGGEL          10 EA     9946A   BAPP          BAP          1
141SWITCH ROTARY           "        46DAA   BAPQ          BAP          2
141VENTING                          BAQ     B             BAQ            001111100
141VENT BOX                4EA      46EAA   BAQA          BAQ          0
141EJECTOR ASSEMBLY                 46EAB   BAQB          BAQ          0
141VENT-STANDPIPE ASSEMBLY          46EAC   BAQC          BAQ          1
141VALVE-CHECK                      46EAD   BAQD          BAQ          0
141PLUMBING                         46EAE   BAQE          BAQ          1
141FUEL DUMP                        BC      FA                           001111110
141VALVE JETTISON                   46FAA   BCA           BC           A
141ACTUATOR JETT.SHUTOFF VALVE      46FAB   BCB           BC           A
141SCREEN                           46FAC   BCC           BC           1
141PLUMBING                         46FAD   BCD           BC           5
141MAST                    2 EA     46FAE   BCE           BC           1
141FLAM ARRESTOR           2 EA     46FAF   BCF           BC           8
141JETTISON CONTROL                 BCJ     BC                           AAAAAAAAA
141TOGGEL SWITCH           1 EA     9946A   BCJA          BCJ          A
141ENGINE 1 PROPULSION              BD      B       5 BZ                 0AAAAAAA0
141CONTAINED                        BDA     BD                           AAAAAAAAA
141VANE AND SHROUD ASSEMBLY         23AAA   BDAA          BDA          A
141NOSE DOME                        23POA   BDBA          BDA          A
141NOSE COWL                        23POB   BDBB          BDA          1
141FOWARD COWL DOOR                 23POD   BDBC          BDA          1
141HEAT SHIELD TURBINE              23POG   BDBD          BDA          1
141ENGINE MOUNT FOWARD              23POH   BDBE          BDA          8
141ENGINE MOUNT AFT                 23POJ   BDBF          BDA          8
141FOWARD VERTICAL FIRE WALL        23POK   BDBG          BDA          1
141AFT    VERTICAL FIRE WALL        23POL   BDBH          BDA          1
141HORIZONTAL FIRE WALL             23POM   BDBJ          BDA          1
141AFT COWL SUPPORT                 23PON   BDBK          BDA          1
141FAIRING-PYLON TO ENGINE          23POP   BDBL          BDA          1
141ENGINE MOUNT BOLT       4 EA     23POQ   BDBM          BDA          8
141DOOR FIRE ACCESS                 23POR   BDBN          BDA          0
141ROD  ASSEMBLY HOLD OPEN          23POS   BDBP          BDA          0
141LATCH ASSEMBLY COWL DOOR         23POT   BDBQ          BDA          0
141DOOR ASSY-ACCESSORY ACCESS       23POU   BDBR          BDA          0
141HINGE COWL DOOR                  23POY   BDBS          BDA          0
141HINGE BRACKET COWL DOOR          23POZ   BDBT          BDA          0
141LATCH BRACKET COWL DOOR          23PO1   BDBU          BDA          0
141AFT COWL DOOR LEFT               23PO2   BDBV          BDA          0
141AFT COWL DOOR RIGHT              23PO3   BDBW          BDA          0
141SUPPORT COWL  FOWARD             23PO5   BDBX          BDA          1
141DOOR BLOW OUT ZONE NO.1          23PO6   BDBY          BD           1
141DOOR BLOW OUT ZONE NO.2          23PO7   BDBZ          BD           1
141THRUST                           BE      BD                           AAAAAAAAA
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1234567890123456789012345678901234567890123456789012345678901234567890123456789
141THRUST                                   BE          BU              555555555
141CAS- ASSEMBLY TURBINE EXHST 23ECA        BEAA        BE          A
141DUCT WELDMENT TURB REAR BRG 23ECB        BEAB        BE          2
141HOUSING WELD TURB REAR BRG  23ECC        BEAC        BF          A
141SEAL ASSY TURB REAR SHAFT & 23ECD        BEAD        BE          7
141PINION TURB REAR BEAR OIL   23ECE        BEAE        BHC         7
141SUMP ASSEM REAR BEAR OIL    23ECF        BEAF        BHC         7
141HEATSHIELD ASSEM TURB REAR  23ECG        BEAG        BE          1
141DUCT TURBINE EXAUST         23ECH        BEAH        BE          A
141STRUT WELDMENT TURB EXAUST  23ECJ        BEAJ        BE          2
141PRIMARY EXAUST NOZZLE 23ECK 23ECK        BEAK        BE          1
141SECONDARY EXAUST NOZZLE     23ECL        BEAL        BE          1
141PRIMARY EXAUST NOZZ 23ECP   23ECM        BEAM        BF          1
141TAIL CONE                   23ECN        BEAN        BF          1
141PRIMARY EXAUST NOZZLE 23ECK 23ECP        BEAP        BE          1
141ENG/NACEL ANTI-ICE                       BEB         BE      A           055555550
141VALVE ANTI ICE ENG INLET    23LBA        BEBA        BEB         8
141REGULATOR ASSY-ANTI-ICE     23LBB        BEBB        BEB         3
141MANIFOLD ASSY OF-AIR DIF CAS23LBD        BEBC        BEB         2
141TUBE ASSY-OF ANTI-ICE AIR RE23LBE        BEBD        BEB         1
141TUBE ASSY-OF ANTI-ICE AIR LE23LBF        BEBE        BEB         1
141TUBE ASSY-OF ANTI-ICE AIR RE23LBG        BEBF        BEB         1
141TEE ASSY-OFF ANTI ICE AIR TA23LBH        BEBG        BEB         1
141DUCT NACELLE NOSE COWL      23LBJ        BEBH        BEB         2
141REGULATOR ANTI-ICEING AIR   23LBD        BEBJ        BEB         8
141VALVE NACELLE NOSE COWL ANTI23LBF        BEBK        BEB         3
141ACT ENG INLT ANTI VALVE INLT23LBF        BEBL        BEB         8
141ACT NACELL ANTI-ICING       23LBJ        BEBM        BEB         8
141WIRING                      23LBK        BEBN        BEB         6
141WIRING                      41EAC        BEBP        BEC         6
141RECTIFIER ENGINE ANTI-ICING 23LBE        BEBQ        BEB         C
141RELAY NACELL ANTI-ICE       23LBC        BEBR        BEB         A
141VALVE CHECK                 23LBP        BEBS        BEB         2
141ICE DETECT CONTROL                       BEC         BEB             222222222
141SWITCH ENGINE:NACELLE ANT-IC23LBD        BECA        BEC         A
141SWITCH CONTROL              41EAB        BECB        BEC         A
141PILOT ACTION                             BEE         BEC             AAAAAAAAA
141ICING LIGHT                              BEF         BEE             066666666
141WARNING LIGHT               44EBC        BEFA        BEF         A
141  CONTROL UNIT              44EBA        BEFAA       BEF         1
141  LIGHT ASSY MASTER CAUTION 44EBB        BEFAB       BEF         1
141ANTI-ICE IN LIGHT                        BEG         BEE             111111111
141WARNING LIGHT               44EAP        BEGA        BEG         A
141ICE DETECT TEST                          BEH         BEF             000000000
141ICE DETECT TEST SWITCH      99238        BEHA        BEH         A
141ICE DETECTOR                             BEJ         BEB              SAAAAAAAAA
141ICE DETECTOR                             BEJ         BEF              FAAAAAAAAA
141ICE DETECTOR                             BEJ         BEM              FAAAAAAAAA
141ICE DETECTOR                41EAA        BEJA        BEJ         A
141NACELLE PREHEAT                          BEK         BE              000000000
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PGG095.J181 DATE = 02/04/79 FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000001111111111222222222333333334444444455555555666666677777777
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141PREHEAT DUCT                    23LSC   BEKA            BE          A
141SWITCH-NACELLE PREHEAT          23LEB   BEKB            BE          2
141VALVE NACELLE PREHEAT SHUT.     23LGC   BLKC            BE          4
141NACELLE:ENGINE COOLING                  BEL             BE                  84000004
141PRESSURE SWITCH-ZONE 2 COOL     23LJA   BELA            BEL         7
141ACTUATING ZONE VALVE COOLING    23LKG   BELB            BEL         7
141SHROUD COOLING,GENERATOR        23LSA   BELC            BEL         1
141BELLOWS GENERATOR COOLING       23LSH   BELD            BEL         4
141MANIFOLD ID                     23LSD   BELE            BEL         2
141FLOW LIMITER-ID                 23LSE   BELF            BEL         2
141FLOW LIMITER-ID                 23LSF   BELG            BEL         2
141DOOR ASSY NOSE COWL SUCKER      23PUC   BELH            BEL         2
141BIFURCATED DUCT LEFT            23PUE   BELJ            BEL         1
141BIFURCATED DUCT RIGHT           23PUF   BELK            BEL         1
141SEAL INF.FAN DUCT FORWARD       23PUW   BELL            BEL         1
141SEAL INF.FAN DUCT AFT LH        23PUX   BELM            BEL         1
141SEAL INF.FAN DUCT AFT RH        23PU4   BELN            BEL         1
141VALVE-ZONE 1 COOL S/O 2EA       23LUA   BELP            BEL         1
141SURGE BLEED DUCT SEAL           23PU8   BELPA           BEL         1
141VORTEX-BREAKER SHUT OFF VLV     23LU6   BELQ            BEL         7
141VALVE-ZONE 2 COOL S/O           23LUE   BELR            BEL         7
141VALVE COOLING SEAL PRESSURE     23LUG   BELS            BEL         1
141REGULATOR DUCT SEAL PRESS       23LUH   BELT            BEL         2
141SEAL-FAN DUCT PRESSURE          23LUJ   BELU            BEL         2
141VALVE-OVER BOD DUCT S/O 2EA     23LUK   BELV            BEL         7
141EJECTOR ASSY ZONE 2 COOL2EA     23LUM   BELW            BEL         2
141EJECTOR ASSY ZONE 1 COOL        23LUN   BELX            BEL         8
141AUTO DETECT                             BEM             BEB                 222222222
141SWITCH CONTROL                  41EAB   BEMA            BEM         A
141BY-PASS AIR                             BEN             BE                  222222222
141 ENGINE FIRE EXTINGUISHER               BEP             BE      X           AAAAAAAAA
141   BOTTLE,FIRE EXTINGUISHER     49AAC   BEPAC           BEP         A
141   INDICATOR,DISCHARGE DISC     49AAD   BEPAD           BEP         0
141   PRESSURE GUAGE               49AAH   BEPAH           BEP         0
141   PLUMBING                     49AAL   BEPAL           BEP         1
141 PILOT ACTION                           BEQ             BEP                 AAAAAAAAA
141   SW,ENG AGENT DISCHARGE       49AAA   BEQAA           BEQ         A
141   SW,BOTTLE SELECTOR           49AAH   BEQAB           BEQ         A
141 ENGINE FIRE STATUS                     BER             BEQ                 444444444
141   FIRE WARNING LIGHT           44BAR   BERAR           BER         A
141COMBUSTION                              BF              BE                  AAAAAAAAA
141COMBUSTION                              BF              BH                  FAAAAAAAA
141IGNITION,RESTART                        BFA             BF      T           AAAAAAAAA
141SPARKIGNITER                    23KAC   BFAA            BFA         1
141IGNITION,FLAME OUT PREVENT              BFB             BFJ                 111111111
141SPARKIGNITER                    23KAC   BFBA            BFB         A
141SPARKIGNITER                    23KAC   BFBAA           BFA         1
141INTERMITANT IGNITION                    BFC             BFA                 AAAAAAAAA
141EXCITER-IGNITION 420 JOULES     23KAA   BFCA            BFC         A
141LEAD HIGH TENSION       2EA     23KAD   BFCB            BFC         1
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141CONTINUOUS IGNITION                          BFD          BFB          DAAAAAAAD
141LOAD INTERMEDIATE VOLTAGE    23KAE   BFDA    BFD          BF             A
141CIRCUIT BREAKER              23KQB   BFDB    BFD          BF             5
141EXCITER IGNITION 34 JOULES   23KQC   BFDC    BFD          BF             A
141FUEL AND IGNITION CONTROL            BFE     BFC          BF           AAAAAAAAA
141J BOX : ELECTRICAL HARNESS   23KAF   BFEA    BFE          BF             6
141J BOX : ELECTRICAL HARNESS   23KAF   BFEA    BFF          BF             6
141FUEL AND IG CONTROL SWITCH   9923C   BFEB    BFE          BF             A
141CAPACITOR                    23KAB   BFEC    BFE          BF             1
141CONTINUOUS IGNITION CONTROL          BFF     BFD          BF           AAAAAAAAA
141SWITCH CONTINUOUS IGNITION   23KQA   BFFA    BFF          BF             A
141FUEL AND IGNITION CONT SW    9923C   BFFB    BFF          BF             A
141IGNITION ATTENUATION.                BFJ     BF           BF           111111111
141CASE ASSEMBLY DIFUSER        23BAA   BFJA    BF           BF             A
141SHROUD ASSEMBLY COMPRESSOR   23BAB   BFJB    BF           BF             A
141VANE COMPRESSOR 16TH STAGE   23BAC   BFJC    BF           BF             A
141SHROUD-COMPRESSOR VANE INNER 23BAD   BFJD    BF           BF             A
141DUCT-DIFFUSER INLET          23BAE   BFJE    BF           BF             A
141HOUSING COMP. REAR BEARING   23BAF   BFJF    BF           BF             A
141RING COMP. REAR AIR SEALING  23BAG   BFJG    BF           BF             A
141CHAMBER WELDMENT NO.1 3 : 7  23BCA   BFJH    BF           BF             A
141CHAMBER WELDMENT NO.2 6   8  23BCB   BFJJ    BF           BF             A
141CHAMBER WELDMENT NO.4        23BCC   BFJK    BF           BF             A
141CHAMBER WELDMENT NO.5        23BCD   BFJL    BF           BF             A
141CASE ASSEMBLY COMBUSTION CHA 23BCE   BFJM    BF           BF             A
141FIRE SEAL-RIGHT              23BCF   BFJN    BF           BF             A
141FIRE SEAL-LEFT               23BCG   BFJP    BF           BF             A
141FIRE SEAL-LOWER              23BCH   BFJQ    BF           BF             A
141COMPRESSION                          BG      BEB          BF           AAAAAAAAA
141COMPRESSION                          BG      BEL          BF           AAAAAAAAA
141COMPRESSION                          BG      BEN          BF           AAAAAAAAA
141COMPRESSION                          BG      BF           BF           AAAAAAAAA
141COMPRESSION                          BG      BHH          BF           AAAAAAAAA
141COMPRESSION                          BG      BMA          BF           AAAAAAAAA
141COMPRESSION                          BG      BY           BF           AAAAAAAAA
141CASE ASSEMBLY COMP. FRONT    23BAA   BGAA    BG           BG             A
141BLADE 8TH.STAGECOMPRESSOR    23BA1   BGAAA   BG           BG             A
141BLADE 9TH.STAGECOMPRESSOR    23BA2   BGAAB   BG           BG             A
141COMPRESSOR SECTION FRONT     23BAC   BGAAC   BG           BG             A
141VANE < SHROUD ASSY-1ST.STAGE 23BAB   BGAB    BG           BG             A
141VANE < SHROUD ASSY-2ST.STAGE 23BAC   BGAC    BG           BG             A
141VANE < SHROUD ASSY-3ST.STAGE 23BAD   BGAD    BG           BG             A
141SPACER-COMP. OUTER SHROUD    23BAE   BGAE    BG           BG             A
141RING-COMPRESSOR ROTOR AIR    23BAF   BGAF    BG           BG             A
141CASE ASSEM. FRONT COMPRESSOR 23BAG   BGAG    BG           BG             A
141VANE<SHROUD ASSY-4TH STAGE   23BAH   BGAH    BG           BG             A
141VANE<SHROUD ASSY-5TH STAGE   23BAJ   BGAJ    BG           BG             A
141VANE<SHROUD ASSY-6TH STAGE   23BAK   BGAK    BG           BG             A
141VANE<SHROUD ASSY-7TH STAGE   23BAL   BGAL    BG           BG             A
141VANE<SHROUD ASSY-8TH STAGE   23BAM   BGAM    BG           BG             A
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141ROTOR ASSEM. FRONT COMPRESS.23EAN    BGAN              BG              A
141HUB-FRONT COMPRESS.ROTOR FRT 23EAP   BGAP              BG              A
141HUB-FRONT COMPRESS.ROTOR REAR 23EAQ  BGAQ              BG              A
141SPACER ASSEM. COMPRESS.ROTOR 23EAR   BGAR              BG              A
141SPACER ASSEM. COMPRESS.DISC 23EAS    BGAS              BG              A
141BLADE 1ST.STAGEFANS          23EAT   BGAT              BG              A
141BLADE 2ND.STAGECOMPRESSOR    23EAU   BGAU              BG              A
141BLADE 3RD.STAGECOMPRESSOR    23EAV   BGAV              BG              A
141BLADE 4TH.STAGECOMPRESSOR    23EAW   BGAW              BG              A
141BLADE 5TH.STAGECOMPRESSOR    23EAX   BGAX              BG              A
141BLADE 6TH.STAGECOMPRESSOR    23EAY   BGAY              BG              A
141BLADE 7TH.STAGECOMPRESSOR    23EAZ   BGAZ              BG              A
141CASE ASSEM.COMPRESS.INTERMED 23EBA   BGBA              BG              A
141HOUSING ASSEM.COMPRESS.INTER 23EBB   BGBB              BG              A
141SUPPORT-COMPRESS.INTERMED.FR 23EBC   BGBC              BG              B
141SUPPORT-COMPRESS.INTERMED.RR 23EBD   BGBD              BG              B
141HOUSING COMP INTERMED REARG  23EBE   BGBE              BG              A
141CASE,FAN DISCHARGE           23EBF   BGBF              BG              A
141COMPRESSOR SECTION INTER     23EBG   BGBG              BG              A
141CASE ASSEMBLY REAR COMPRESS  23ECA   BGCA              BG              A
141TUBE REAR COMP ROTOR HUB     23ECP   BGCAP             BG              A
141ROTR ASSEMBLY REAR COMPRESS  23ECB   BGCB              BG              A
141VANE:SHROUD ASSY-10TH STAGE  23ECC   BGCC              BG              A
141VANE:SHROUD ASSY-11TH STAGE  23ECD   BGCD              BG              A
141VANE:SHROUD ASSY-12TH STAGE  23ECE   BGCE              BG              A
141VANE:SHROUD ASSY-13TH STAGE  23ECF   BGCF              BG              A
141VANE:SHROUD ASSY-14TH STAGE  23ECG   BGCG              BG              A
141VANE:SHROUD ASSY-15TH STAGE  23ECH   BGCH              BG              A
141VANE:SHROUD ASSY-16TH STAGE  23ECJ   BGCJ              BG              A
141SPACER ASSEM COMP OUTER SHRD 23ECK   BGCK              BG              A
141RING COMPRESS ROTOR AIR SEAL 23ECL   BGCL              BG              B
141HUB-REAR COMPRESS ROTOR FRNT 23ECM   BGCM              BG              A
141HUB-REAR COMPRESS ROTOR REAR 23ECN   BGCN              BG              A
141COMPRESSOR SECTION REAR      23ECQ   BGCQ              BG              A
141COMPRESSOR UNLOADING                 BGE               BG                0100000110
141VALVE ASSY.COMPRESS BLEED RH 23LAA   BGEA              BGE             B
141ACTUATOR CONT ASSY COMP RH   23LAH   BGEB              BGE             B
141CONTROL ASSY-COMPR BLEED RH  23LAC   BGEC              BGE             B
141SCREEN COMPRESS BLEED CONTR  23LAD   BGED              BGE             0
141CONTR ASSY COMPR BLEED LH    23LAE   BGEE              BGE             1
141VALVE ASSY COMPR BLEED LH    23LAF   BGEF              BGE             1
141ACTUATOR CONT ASSY COMP LH   23LAG   BGEG              BGE             1
141ENGINE  ROTATION                     BH                BG                AAAAAAAAA
141ENGINE  ROTATION                     BH                BHM               FAAAAAAAAA
141ENGINE  ROTATION                     BH                BJA               FAAAAAAAAA
141OIL DISTRIBUTION             BHA     BH                                  CAAAAAAAJ0
141SUPPORT ASSY TUBE FRONT REAR 23EAA   BHAA              BH              A
141HOUSING TURBINE FRONT REAR   23EAB   BHAB              BH              A
141SUPPORT ASSY TURB FR REAR SL 23EAC   BHAC              BH              A
141SPACER-TURBINE NOZZLE CASE   23EAE   BHAE              BH              A
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C0000000011111111112222222222333333334444444444555555555666666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890123456
141SUPPORT WELD-COMB CHAM OUT  23EAF   BHAF          BH          A
141DUCT ASSY-COMB CHAMBER OUT  23EAG   BHAG          BH          A
141RING ASSEM TURBINE CASE PRSS23EAH   BHAH          BH          A
141CASE ASSY-TURBINE NOZZEL IN 23EAJ   BHAJ          BH          A
141CASE ASSY INCS COMB CHAMBER 23EAK   BHAK          BH          A
141TURBINE SECTION             23EAQ   BHAL          BH          A
141CASE ASSY TURB NOZZLE       23EBA   BHBA          BH          A
141VANE-1ST STAGE              23EBB   BHBB          BH          A
141VANE-2ND STAGE              23EBC   BHBC          BH          A
141VANE-3RD STAGE              23EBD   BHBD          BH          A
141VANE-4TH STAGE              23EBE   BHBE          BH          A
141SEAL-TURB-3RD STAGE         23EBF   BHBF          BH          A
141SEAL-TURB-4TH STAGE         23EBG   BHBG          BH          A
141SUPPORT-TURBINE OUTER       23EBH   BHBH          BH          A
141ROTOR ASSEM REAR COMP DRV   23EBJ   BHBJ          BH          A
141COUPLING REAR COMPR DRIVE   23EBK   BHBK          BH          A
141TURBINE ROTOR :NOZZLE       23EBQ   BHBKA         BH          A
141NOZZEL ASSY-TURBINE 2ND STAG23EBL   BHBL          BH          A
141NOZZEL ASSY-TURBINE 3RD STG 23EBM   BHBM          BH          A
141DISK:BLADE ASSY TURB 2ND STG23EBN   BHBN          BH          A
141DISK:BLADE ASSY TURB 3RD STG23EBP   BHBP          BH          A
141HUB-TURBINE ROTOR           23EBQ   BHBQ          BH          A
141CASE WELD COMB CHAMB OT REAR23EBR   BHBR          BH          A
141RING AIR SEAL TURB 2ND STAGE23EBS   BHBS          BH          3
141NOZZLE 4TH STAGE            23EBT   BHBT          BH          A
141BLADE  4TH STAGE            23EBU   BHBU          BH          A
141ROTOR ASSY FRNT COMP DRV TRB23EBV   BHBV          BH          A
141SEAL 1ST STAGE OUTER TURB   23EBW   BHBW          BH          8
141BLADE ASSY TURB 1ST STAGE   23EBX   BHBX          BH          A
141OIL SUPPLY                          BHC           BHA               AAAAAAAAA
141BEARING NO.1 MAIN           23FAA   BHCA          BH          A
141TANK ASSEMBLY OIL           23JAA   BHCAA         BHC         A
141VALVE ASSEMBLY DRAIN        23JAB   BHCAB         BHC         0
141CAP ASSEMBLY OIL            23JAC   BHCAC         BHC         1
141VALVE ASSEMBLY-OIL FILTER   23JAG   BHCAD         BHC         1
141VALVE ASSEMBLY-PRESSURE RELF23JAH   BHCAE         BHC         1
141STRAINER ASSY-MAIN OIL      23JAJ   BHCAF         BHC         1
141RETURN CHECK VALVE          23JQB   BHCAG         BHC         1
141PLUMBING                    23JQC   BHCAH         BHC         8
141VALVE ASSY-BREATHER PRESS   23JAF   BHCAJ         BHC         1
141BEARING NO.2 MAIN           23FAB   BHCB          BH          A
141GAGE ASSY OIL TANK          23JAD   BHCBA         BHC         G
141BEARING NO.2 1/2 MAIN       23FAC   BHCC          BH          A
141BEARING NO.3 MAIN           23FAD   BHCD          BH          A
141BEARING NO.4 MAIN           23FAE   BHCE          BH          A
141BEARING NO.4 1/2 MAIN       23FAF   BHCF          BH          A
141BEARING NO.5 MAIN           23FAG   BHCG          BH          A
141BEARING NO.6 MAIN           23FAH   BHCH          BH          A
141SEAL ASSEM NO.1 BEARING     23FCA   BHDA          BH          A
141SEAL ASSEM NO.2 BEARING     23FCB   BHDB          BH          A
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141SEAL ASSEM NO.3 BEARING      23FCD   BHDD        BH          A
141SEAL ASSEM NO.4 BEARING      23FCE   BHDE        BH          A
141SEAL ASSEM NO.4 1/2 BEARING  23FCF   BHDF        BH          A
141SEAL ASSEM NO.5 BEARING      23FCG   BHDG        BH          A
141SEAL ASSEM NO.6 BEARING      23FCH   BHDH        BH          A
141PRESSURE-OIL                         BHE         BHA           AAAAAAAAA
141 PUMP ASSY OIL SUCTION       23JBA   BHEAA       BHC         2
141PUMP-COMP R/F TUR BRG  2EA   23JFB   BHEAB       BHC         1
141PUMP ASSY-COMPRESS REAR      23J6C   BHEAC       BHC         1
141PUMP ASSY-MAIN OIL PRESSURE  23J6D   BHEAD       BHF         A
141COOLING-OIL                          BHG         BHA           88888888
141AIR COOLING                          BHH         BHG           111111111
141COOLER AND VALVE ASSY-AIR-OIL23JCA   BHHA        BHH         A
141ACCESSORY DRIVE                      BHM         BHF           FAAAAAAAAA
141ACCESSORY DRIVE                      BHM         BJ            FAAAAAAAAA
141ACCESSORY DRIVE                      BHM         BR            AAAAAAAAA
141ACCESSORY DRIVE                      BHM         BUE           FAAAAAAAAA
141ENG NO 1 HI-SPEED ACC DRIVE          BHM         UAAK          FAAAAAAAAA
141ENG NO2 HI-SPEED ACC DRIVE           BHM         UABK          FAAAAAAAAA
141ENG NO3 HI-SPEED ACC DRIVE           BHM         UACK          FAAAAAAAAA
141ENG NO4 HI-SPEED ACC DRIVE           BHM         UADK          FAAAAAAAAA
141AUX DRIVE NO 3 ENG                   BHM         UHAC          FAAAAAAAAA
141AUX DRIVE NO 4 ENG                   BHM         UHAD          FAAAAAAAAA
141AUX DRIVE ENG NO 1                   BHM         UHBF          FAAAAAAAAA
141AUX DRIVE ENG NO 2                   BHM         UHBG          FAAAAAAAAA
141SUPPORT ASSY COMP FRONT BEAR23ABA    BHMA        BHM         A
141HOUSING-COMP FRONT BEAR OIL  23ABB   BHMB        BHM         A
141SUPPORT ASSY FRONT ACC DRIVE23ABC    BHMC        BHM         A
141BEARING FRONT DRIVE          23ABD   BHMD        BHM         A
141SHAFT-ACCESSORY DRIVE MAIN   23AFE   BHME        BHM         A
141COUPLING-ASSY DRIVE FRONT    23AGF   BHMF        BHM         A
141COUPLING-ASSY DRIVE REAR     23AHG   BHMG        BHM         A
141GEAR-ACCESSORY DRIVE         23AHH   BHMH        BHM         A
141SHAFT GEAR ACCESSORY DRIVE   23AGJ   BHMJ        BHM         A
141SUPPORT ASSY ACC DRIVE FRONT23AEK    BHMK        BHM         A
141HOUSING ACC DRV SHAFT GEAR   23BCA   BHML        BHM         A
141GEARSHAFT ASSEM MAIN ACC DRV23BGB    BHMM        BHM         A
141BEARING ACCESSORY DRIVE      23BEC   BHMN        BHM         A
141HOUSING ASSY-ACCESSORY DRIVE23CAA    BHMP        BR          A
141BEARING-ACCESSORY DRIVE      23CAB   BHMQ        BR          A
141COUPLING-ACCESSORY DRIVE     23CAC   BHMR        BR          A
141SHAFTGEAR ACCESSORY DRIVE    23CAD   BHMS        BR          A
141GEAR ACCESSORY DRIVE         23CAE   BHMT        BR          A
141BREATHER ASSY-ACCESSORY DRIV23CAF    BHMU        BR          1
141COVER ASSY ACCESSORY DRIVE   23CBA   BHNA        BHA         1
141COUPLING                     23CBB   BHNB        BHM         5
141BEARING                      23CBC   BHNC        BHM         1
141SHAFTGEAR                    23CBD   BHND        BHM         5
141ADAPTER ASSEM ACCSSORY DRIVE23CCA    BHNE        BHM         1
141SHAFT ACCESSORY DRIVE        23CCB   BHNF        BHM         5
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141SHAFT GEAR ACCESSORY DRIVE   23CCC   BHNG        BHM          5
141GEAR ACCESSORY DRIVE         23CCD   BHNH        BHM          5
141BEARING-ACCESSORY DRIVE      23CCE   BHNJ        BHM          1
141COUPLING ASS ACC DRV EXT SFT 23CDA   BHNK        BHM          5
141BEARING-ACCESS ACC DRV SHAFT 23CDB   BHNL        BHM          3
141GEAR-ACCESSORY DRIVE         23CDC   BHNM        BHM          5
141SUPPORT ASS ACC DRIVE GEAR   23CDD   BHNN        BHM          1
141SHAFT ASS ACC DRV EXTENSION  23CDE   BHNP        BHM          5
141TUBE ASS ACCESSORY SHAFT     23CDF   BHNQ        BHM          A
141FUEL COOLER                          BHP         BHG            888888888
141COOLER:VALVE ASSY FUEL BYE   23J4E   BHPA        BHP          A
141STARTER FUNCTION                     BJ          BH       T     0AAAAAAA10
141STARTER        CUTOFF                BJA         BJ             9999999999
141STARTER CONTROL VALVE        23KRB   BJAA        BJA          A
141PNEUMATIC POWER                      BJB         BJ             AAAAAAAAAA
141PNEUMATIC STARTER            23KRA   BJBA        BJB          A
141STARTER DUCT                 23KRC   BJBB        BJB          A
141STARTER TURBINE GUARD        23KRD   BJBC        BJB          1
141RING AND SCREEN              23KRE   BJBD        BJB          1
141START/STOP COMMAND                   BJC         BFC            F0000000000
141START/STOP COMMAND                   BJC         BJ             AAAAAAAAAA
141START/STOP COMMAND SWITCH    99230   BJCA        BJC          A
141AIRCREW ACTION STARTER               BJD         BJC            AAAAAAAAAA
141STARTER VALVE LIGHT                  BJE         BJD      I BJA 9999999999
141WARNING LIGHT                44BAR   BJEA        BJE          A
141STARTER LIGHT                        BJF         BJD            1111111111
141WARNING LIGHT                44BAR   BJFA        BJF          A
141EXTERNAL PNEUMATIC                   BJG         BJB            F0000000000
141FUEL DELIVERY                        BK          BF             AAAAAAAAAA
141MANIFOLD ASSEMBLY FUEL RIGHT 23HAA   BKA         BK           A
141VALVE ASSEM FUEL PRESS:DUMP  23EAH   BKAA        BK           A
141MANIFOLD ASSEMBLY FUEL LEFT  23HAB   BKB         BK           A
141SCREEN P:D DUMP              23HAJ   BKBB        BK           1
141NOZZLE ASSEMBLY FUEL         23HAC   BKC         BK           A
141DISTRIBUTER ASSEMBLY         23HAD   BKD         BK           A
141VALVE ASSEM COMB CHAMB DRAIN 23HAE   BKE         BK           3
141MANIFOLD PRIMARY IDLING      23HAE   BKF         BK           A
141FUEL CONTROL                         BM          BHP            F0000000000
141FUEL CONTROL                         BM          BK             AAAAAAAAAA
141FUEL HEATING                         BMA         BM       Y     1111111111
141FUEL DEICING HEATER          23HQA   BMAA        BMA          7
141FILTER ASSY FUEL DE-ICING    23HJA   BMAB        BMA          1
141FILTER ELEMENT FUEL DE-ICE   23HJC   BMAC        BMA          1
141VALVE HEATER AIR             23L8C   BMAD        BMA          5
141ACTUATOR ASSY FUEL DEICING   23LRH   BMAE        BMA          7
141HEATING COMMAND                      BMB         BMA            AAAAAAAAAA
141FUEL HEATER SWITCH           9923E   BMBA        BMB          A
141INFORMATION HEATING                  BMC         BMB            666666666
141HEATER ON LIGHT                      BMD         BMC            000000000
141INDICATOR LIGHT FUEL HEATER  23HRH   BMDA        BMD          A
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141FILTER BY-PASS LIGHT                          BMF          BMC          222222222
141INDICATOR FILTER BY-PASS      23HFG  BMFA     BMF          A
141PRESSURE SWITCH DIFFERENTIAL  23HFB  BMFB     BMF          A
141VALVE ASSY FUEL PUMP TRANSF.  23HAM  BMFC     BM           1
141TEMPERATURE INDICATION                BMG          BMC          000000000
141INFORMATION HEATING                   BMG          BNA          111111111
141INDICATOR TEMPERATURE         23HSA  BMGA     BMG          A
141FUEL TEMPERATURE BULB         23HSB  BMGB     BMG          A
141SWITCH NO.1 : NO.2 SELECT     23HSC  BMGC     BMG          5
141ACTUATOR TRANSFER VALVE       23HAN  BMGD     BM           1
141CONTROL ASSEMBLY FUEL         23HAK  BMMA     BM           9
141FILTER FUEL CONTROL           23HAL  BMMB     BM           1
141FUEL CONTR PART POWER STOP    23HAP  BMMC     BM           0
141CIRCUIT BREAKER  SEACH        23HRJ  BMMD     BM           0
141WIRING                        23HRK  BMME     BM           0
141ENRICH VALVE                          BN           BM           000000000
141ENRICH COMMAND                        BNA          BN           AAAAAAAAA
141FUEL ENRICHMENT VALVE         23HAK  BNAA     BN           A
141SWITCH FUEL ENRICHMENT        23HRE  BNB      BNA          A
141THROTTLE VALVE CONTROL                BP           BM           AAAAAAAAA
141BURNER CAN PRESSURE SENSING           BPA          BP           AAAAAAAAA
141PROBE-PRESSURE TAKEOFF        23GDC  BPAA     BPA          A
141AMBIENT AIR PRESSURE SENSE            BPC          BP           000111000
141PROBE ASSY COMP INLET PRESS   23AAB  BPCA     BPC          A
141THROTTLE SETTING                      BPD          BD           500111110
141THROTTLE SETTING                      BPD          BP           F00111110
141THROTTLE SETTING                      BPD          BUS          555555555
141THROTTLE LEVER                23NQA  BPDAA    BPD          A
141THROTTLE LEVER INTER. TUBE    23NQP  BPDAB    BPD          A
141FRICTION LOCK                 23NQC  BPDAC    BPD          1
141QUADRANT ASSEMBLY             23NQD  BPDAD    BPD          A
141QUADRANT ASSEMBLY PUSH ROD    23NQE  BPDAE    BPD          A
141IDLE HOLD SPRING              23NQF  BPDAF    BPD          1
141PULLEY                        23NQG  BPDAG    BPD          2
141CABLES                        23NQH  BPDAH    BPD          A
141TENSION REGULATOR             23NQJ  BPDAJ    BPD          A
141PUSH ROD FUEL CONTROL         23NAB  BPDAK    BPD          A
141PUSH ROD ENGINE TO PYLON      23NAC  BPDAL    BPD          A
141CRANK ARM,UPPER ENG PLATE     23NAD  BPDAM    BPD          A
141CRANK ARM,LOWER ENG PLATE     23NAE  BPDAP    BPD          A
141ENGINE STATUS                         BPDB         BPD          111111111
141MODULE RPM POWER SUPPLY       23CAA  BPDCA    BPDB         1
141MODULE EGT                    23GAB  BPDCB    BPDB         1
141MODULE FUEL FLOW POWER SUPP.  23CAC  BPDCC    BPDB         1
141ELECTRONIC FREQUENCY CONVER.  23CAD  BPDCD    BPDB         1
141ELECTRONIC CONTROL AMPLIF.    23CAE  BPDCE    BPDB         1
1414MPLIFIER MODULATOR           23CAF  BPDCF    BPDB         1
141VOLTAGE REG.AND COLD JUNC.    23CAG  BPDCG    BPDB         1
141INDICATOR N-1 RPM             23GBA  BPDCH    BPDB         1
141INDICATOR N-2 RPM             23GBB  BPDCJ    BPDB         1
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141GENERATOR TACHOMETER N-1          23GBC   BPDCK           BPDH          1
141GENERATOR TACHOMETER N-2          23GBL   BPDCL           BPDM          1
141CONVERTER                         23GAD   BPDCM           BPDB          1
141INDICATOR EGT                     23GCA   BPDDA           BPDB          1
141THERMOCOUPLES                     23GCB   BPDDB           BPDB          1
141THERMOCOUPL HARNESS               23GCC   BPDDC           BPDB          1
141LEAD ASSEMBLY THERMOCOUPLE        23GCD   BPDDD           BPDB          1
141INDICATOR EPR                     23GDA   BPDDE           BPDB          1
141TRANSMITTER                       23GD6   BPDDF           BPDB          1
141PROBE-PRESSURE TAKEOFF            23GDC   BPDDG           BPDB          1
141RELAY EPR HEATER                  23GDE   BPDDH           BPDB          1
141PLUMBING                          23GDF   BPDDJ           BPDB          1
141INDICATOR ENG.VIB.                23GEA   BPDDK           BPDB          1
141PICK UP                           23GEB   BPDDL           BPDB          1
141INSULATOR                         23GEC   BPDDM           BPDB          1
141RELAY PICK-UP SELECT              23GED   BPDDN           BPDB          1
141SWITCH PICK-UP SELECT             23GEF   BPDDP           BPDB          1
141SWITCH FILTER  SELECT             23GEF   BPDDQ           BPDB          1
141PROBE PRESSURE SENSING            23HAA   BPDDS           BPDB          1
141SWITCH-LOW OIL QUANTITY           23JKA   BPDEA           BPDB          1
141INDICATING LIGHT LOW OIL          23JKB   BPDEB           BPDB          1
141SWITCH DIFFERENTIAL PRESSURE      23JKC   BPDEC           BPDB          1
141SWITCH LOW PRESSURE               23JKD   BPDED           BPDB          1
141INDICATING LIGHT LOW OIL PRE      23JKE   BPDEE           BPDB          1
141CIRCUIT BREAKER                   23JKF   BPDEF           BPDB          1
141WIRING                            23JKG   BPDEG           BPDB          1
141INDICATOR TEMPERATURE             23JSA   BPDEH           BPDB          1
141RESISTANCE BULB                   23JSB   BPDEJ           BPDB          1
141INDICATOR PRESSURE                23JTA   BPDEK           BPDB          1
141TRANSMITTER                       23JTB   BPDEL           BPDB          1
141INCREASE PRESSURE                         BR              BM                  AAAAAAAAA
141PUMP ASSEMBLY FUEL                23HAF   BRA             BR            7
141STRAINER-FUEL PUMP                23HAG   BRB             BR            1
141TRAP ASSY-AIR SENSING PRESS.      23HAP   BRC             BR            1
141VALVE ASSY-FUEL CHECK             23HAQ   BRD             BR            1
141FUEL SHUTOFF                              BS              BK      X           AAAAAAAAA
141CUTOFF COMMAND                            BSA             BEL               FAAAAAAAAA
141CUTOFF COMMAND                            BSA             BF                FAAAAAAAAA
141CUTOFF COMMAND                            BSA             BJC               FAAAAAAAAA
141CUTOFF COMMAND                            BSA             BS                  AAAAAAAAA
141HANDLE,FIRE CONTROL               49FAC   BSAA            BSA           8
141SWITCH,ASSY-FIRE HANDLE           49FAD   BSAB            BSA           2
141SHUTOFF VALVE                     46BAG   BSBA            BS            4
141CRANK ARM-FIREWALL SHUTOFF        23MQK   BSBB            BS            4
141FUEL SHUTOFF ACTUATOR             23HDU   BSBC            BS            2
141AIRCREW ACTION                            BT              BASJ                111111111
141LEVEL STATUS                              BTA             BT                  111111111
141STATUS ATTENUATION                        BTB             BTA                 111111111
141TANK UNIT THERM                   46GBA   BTBA            BTB           1
141TANK UNIT COMP                    46GBB   BTBB            BTB           1
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141TANK UNIT THE-M&COMP          466GC   BTBC    BTB     1
141TANK UNIT                     466BD   BTBD    BTB     1
141INDICATOR-TANK UNIT 1 OF 4    466BE   BTBE    BTB     2
141INDICATOR-TOTALIZER           466BF   BTBF    BTB     2
141SWITCH PRESS TO TEST          466BG   BTBG    BTB     0
141PRESSURE SWITCH INLET         23HFA   BTBH    BTB     2
141IND PRESSURE WARN.  1 OF 4    23HKF   BTBJ    BTB     2
141CONNECTOR BULKHEAD            466BH   BTBKA   BTB     1
141CONTROL UNIT LOW LEVEL        466AC   BTBKB   BTB     1
141TRANSFER STATUS               BTC     BTC             111111111
141TRANSMITTER FUEL FLOW 1OF4    23HBL   BTCA    BTC     1
141INDICATOR  FUEL FLOW 1OF4     23HCM   BTCB    BTC     1
141INDICATOR  PRESSURE  1OF4     466AA   BTCC    BTC     1
141TRANSMITTER PRESSURE  1OF4    466AB   BTCD    BTC     1
141PRESSURE SWITCH DIFF  1OF4    23HAB   BTCE    BTC     1
141INDIC. LGT PUMP WARN. 1OF4    23HED   BTCF    BTC     1
141REVERSE THRUST                BU      GAC             AAAAAAAAA
141THRUST REVERSE INTERLOCKOF    BUA     BU              222222222
141PRESSURE SWITCH T/R CONTROL   23TSA   BUAA    BUA     A
141THRUST REVERSE INTERLOCK      23TJN   BUAB    BUA     A
141REVERSER EXTENDED             BUB     BU              AAAAAAAAA
141REVERSER EXTENDED             BUB     BUA             AAAAAAAAA
141 REVERSER EXTENDED            BUB     DDBC            AAAAAAAAA
141THRUST REVERSER DOOR ASSEM.   23TQA   BUBA    BUB     4
141HINGE FITTING SUPPORT         23TQB   BUBB    BUB     4
141BEARING,SUPPORT ASSEMBLY      23TQC   BUBC    BUB     2
141SPRING ASSEMBLY               23TQD   BUBD    BUB     0
141LINK,DOOR ACTUATING           23TQE   BUBE    BUB     5
141GUIDE-HINGE FITTING           23TQF   BUBF    BUB     1
141SUPPORT ASSEMBLY T/R DOOR     23TQG   BUBG    BUB     1
141DEFLECTOR-T/R DOOR            23TQH   BUBH    BUB     4
141FAIRING SUPPORT ASSEMBLY      23TQJ   BUBJ    BUB     0
141BRACKET STANG DOOR            23TQK   BUBK    BUB     0
141STANG DOORS                   23TQL   BUBL    BUB     0
141SUPPORT FITTING T/R,DOOR      23TQM   BUBM    BUB     1
141SUPPORT FITTING T/R,LOWER     23TQN   BUBN    BUB     1
141SUPPORT FITTING T/R,UPPER     23TQP   BUBP    BUB     1
141DOOR SUPPORT ASSEMBLY FAIR.   23TQQ   BUBQ    BUB     0
141LANDING GEAR INTERLOCK        BUC     BUP             AAAAAAAAA
141SPOILER SLO RELAY RTO RLYC    13ACB   BUCA    BUC     A
141RELAY ALTERNATE POWER         25TSB   BUCB    BUC     1
141REVERSE THRUST COMMAND        BUD     BUB             AAAAAAAAA
141 REVERSE THRUST COMMAND       BUD     FFLA            AAAAAAAAA
141THRUST REVERSER LINK ROD      23NAA   BUDA    BUD     1
141REVERSE THRUST LIMITER        23NQL   BUDB    BUD     1
141REVERSE THRUST LIMITER ADJ.   23NQM   BUDC    BUD     1
141SURGE LOCK  TENSION REGULAT.  23NQP   BUDD    BUD     1
141BRACKET TENSION REGULATOR     23NQG   BUDE    BUD     1
141VALVE-SOLENOID PILOT          23TRF   BUDF    BUE     1
141VALVE-MANUAL PILOT            23TRG   BUDG    BUE     1
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141HYDRAULIC PRESSURE                    BUE          BUB          AAAAAAAAA
141THRUST REVERSER PUMP          23TRA   BUEA         BUL          2
141CONTROL-THRUST REVERSER       23TRB   BUEB         BUE          5
141VALVE-PRESSURIZING            23TRC   BUEC         BUE          5
141VALVE RELIEF                  23TRD   BUED         BUE          0
141VALVE-DIRECTIONAL CONTROL     23TRE   BUEE         BUE          2
141FLOW DIVIDER                  23TRH   BUEF         BUE          1
141VALVE-FLOW REGULATOR          23TRJ   BUEG         BUE          1
141VALVE-BY-PASS                 23TRK   BUEH         BUE          1
141VALVE CHECK  RESERVE          23TRL   BUEJ         BUE          0
141ACTUATOR-THRUST REVERSER      23TRM   BUEK         BUE          2
141FILTER ASSEMBLY               23TRN   BUEL         BUE          0
141FILTER ELEMENT                23TRP   BUEM         BUE          0
141DISCONNECT GROUND SERVICE IN  23TRQ   BUEN         BUE          0
141DISCONNECT GROUND SERVICE OUT 23TRR   BUEP         BUE          0
141BRACKET T/R FILTER            23TRS   BUEQ         BUE          0
141PLUMBING                      23TRT   BUER         BUE          1
141REVERSER STATUS                       BUF          BUD          000000000
141INDICATOR   4 EACH            23TRU   BUFA         BUF          A
141SWITCH T/R POSITION IND 4EA   23TSC   BUFB         BUF          A
141ENGINE 2 PROPULSION                   BV           B      5 BZ  0AAAAAAAA0  <
141ENGINE 3 PROPULSION                   BW           B      5 BZ  0AAAAAAAA0  <
141ENGINE 4 PROPULSION                   BX           B      5 BZ  0AAAAAAAA0  <-
141BLEED AIR                             BY           BEK          AAAAAAAAA
141BLEED AIR                             BY           BJB          AAAAAAAAA
141COMPRESSED AIR                        BY           UAAR         111111111
141COMPRESSED AIR                        BY           UABR         111111111
141COMPRESSED AIR                        BY           UACR         111111111
141COMPRESSED AIR                        BY           UADR         111111111
141QUALIF.-K2- 2OF4 ENGINE FAIL          BZ           BZ           F000000000
141MAIN AC BUS NO. 1                     BZAA         BACC         FAAAAAAAAA
141MAIN AC BUS NO. 1                     BZAA         BAEC         FAAAAAAAAA
141MAIN AC BUS NO. 1                     BZAA         BAJC         FAAAAAAAAA
141MAIN AC BUS NO. 1                     BZAA         BAMC         FAAAAAAAAA
141MAIN AC BUS NO1                       BZAA         UZZZZ        S111111111
141MAIN AC BUS NO. 2                     BZAB         BACF         AAAAAAAAA
141MAIN AC BUS NO. 2                     BZAB         BAJF         AAAAAAAAA
141MAIN AC BUS NO. 3                     BZAC         BAFL         AAAAAAAAA
141MAIN AC BUS NO. 3                     BZAC         BAML         AAAAAAAAA
141MAIN AC BUS NO. 4                     BZAD         BACK         FAAAAAAAAA
141MAIN AC BUS NO. 4                     BZAD         BAFH         FAAAAAAAAA
141MAIN AC BUS NO. 4                     BZAD         BAJK         FAAAAAAAAA
141MAIN AC BUS NO. 4                     BZAD         BAMH         FAAAAAAAAA
141MAIN AC BUS NO4                       BZAD         UZZZZ        S111111111
141MAIN AC PROPULSION POWER              BZAE         BZAA         111111111
141MAIN AC PROPULSION POWER              BZAE         BZAB         111111111
141MAIN AC PROPULSION POWER              BZAE         BZAC         111111111
141MAIN AC PROPULSION POWER              BZAE         BZAD         F111111111
141PROPULSION MULTI FEED POWER           BZY          AFD          SAAAAAAAAA
141PROPULSION MULTI FEED POWER           BZY          UZZZZ        S111111111
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141MAIN AC PROPULSION DIST                BZYA          BZY                 111111111
141ESSENTIAL NO 1 BACK UP PROP.           BZYB          BZY    K BZYA       AAAAAAAAA
141COMM/NAV/IDENT                         C                                 AAAAAAAAA
141COMMUNICATION                          CA            C      E            C1111112D
141AIR TO GND/AIR COMM ATTEN              CAA           CA                  111111111
141VHF COMM                               CAAZX         CAAZZ               111111111
141H.F. COMM                              CAAZY         CAAZZ               111111111
141REDUNDANCY ATTENUATOR                  CAAZZ         CAA                 111111111
141INTERNAL COMMUNICATION                 CAB           CA                  000000000
141STATION TO STATION COMM                CAC           CAAZZ               AAAAAAAAA
141STATION TO STATION COMM                CAC           CAB                FAAAAAAAAA
141STATION TO STATION COMM                CAC           CBT                FAAAAAAAAA
141 INTERCOM CONTROL C 3042 2EA  64AAA    CACA          CAC          1
141 STATION INTERCOM C2105 1EA   64AAC    CACC          CAC          0
141 LOUDSPEAKER LS-144-A         64AAD    CACD          CAC          0
141 MICROPHONE M 34 5EA          64AAE    CACE          CAC          1
141 FOOTSWITCH SA 478            64AAF    CACF          CAC          0
141 CONTROL WHEEL SWITCH 2EA     64AAG    CACG          CAC          1
141 STEERING WHEEL SWITCH        64AAH    CACH          CAC          1
141 HEADSET MICROPHONE 15EA      64AAJ    CACJ          CAC          0
141 CREW MEMBER CORD ASSY        64AAK    CACK          CAC          0
141 EXTERNL EXT CORD RECEPTACLE  64AAL    CACL          CAC          0
141 INTERPHONE EXT CORD ASSY     64AAM    CACM          CAC          0
141 INTERPHONE EXT CORD RECEPT   64AAN    CACN          CAC          0
141 JUNCTION BOX                 64AAP    CACP          CAC          0
141 V.STAB/FWD CARGO RECEPTACLE  64AAQ    CACQ          CAC          0
141 RESISTOR                     64AAR    CACR          CAC          0
141 DIAL                         64AAS    CACS          CAC          0
141 AMPLIFIER AM 1963            64AAT    CACT          CAC          1
141 AMPLIFIER AM 1964            64AAU    CACU          CAC          1
141 AMPLIFIER AM 1965            64AAV    CACV          CAC          1
141 WIRING                       64AAW    CACW          CAC          1
141 JUNCTION BOX                 64CAA    CACWA         CAB          0
141 RESISTOR                     64CAB    CACWB         CAB          0
141 TERMINAL STRIP               64CAC    CACWC         CAB          0
141 TERMINAL STRIP COVER         64CAD    CACWD         CAB          0
141 CONNECTOR U94 A/U 9EA        64CAE    CACWE         CAC          1
141 CONNECTOR U92 2EA            64CAF    CACWF         CAC          1
141 CONT.BOX MOUNT 3492 9EA      64AAX    CACX          CAC          0
141 AVG.COMP.CORD ASSY           64AAY    CACY          CAC          0
141H.F. COMM 3EA OF 2 SYSC                CAH           CAAZY               111111111
141H.F. SIGNAL TRANSMIT                   CAHA          CAH                 222222222
141 TRANSCEIVER G18T-2A          61ABO    CAHAA         CAHA         A
141 ISOLATION VIBRATOR           61AAL    CAHAB         CAH          0
141H.F SIGNAL RECEIVE                     CAHB          CAH                 888888888
141 TRANSCEIVER G18T 2A          61ABO    CAHBA         CAHB         A
141  RADIO SET CONTROL 714E-2A   61AAE    CAHC          CAH          A
141  WIRING                      61AAP    CAHD          CAH          1
141  CONNECTOR RACK              61AAF    CAHE          CAH          1
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AD-A054 488 ARINC RESEARCH CORP ANNAPOLIS MD F/G 1/2
DEVELOPMENT OF AIR FORCE FLIGHT SAFETY MODELS. VOLUME 6. C-141 --ETC(U)
APR 76 F09603-72-A-1132
UNCLASSIFIED C54-01-1-1406-VOL-6 NL

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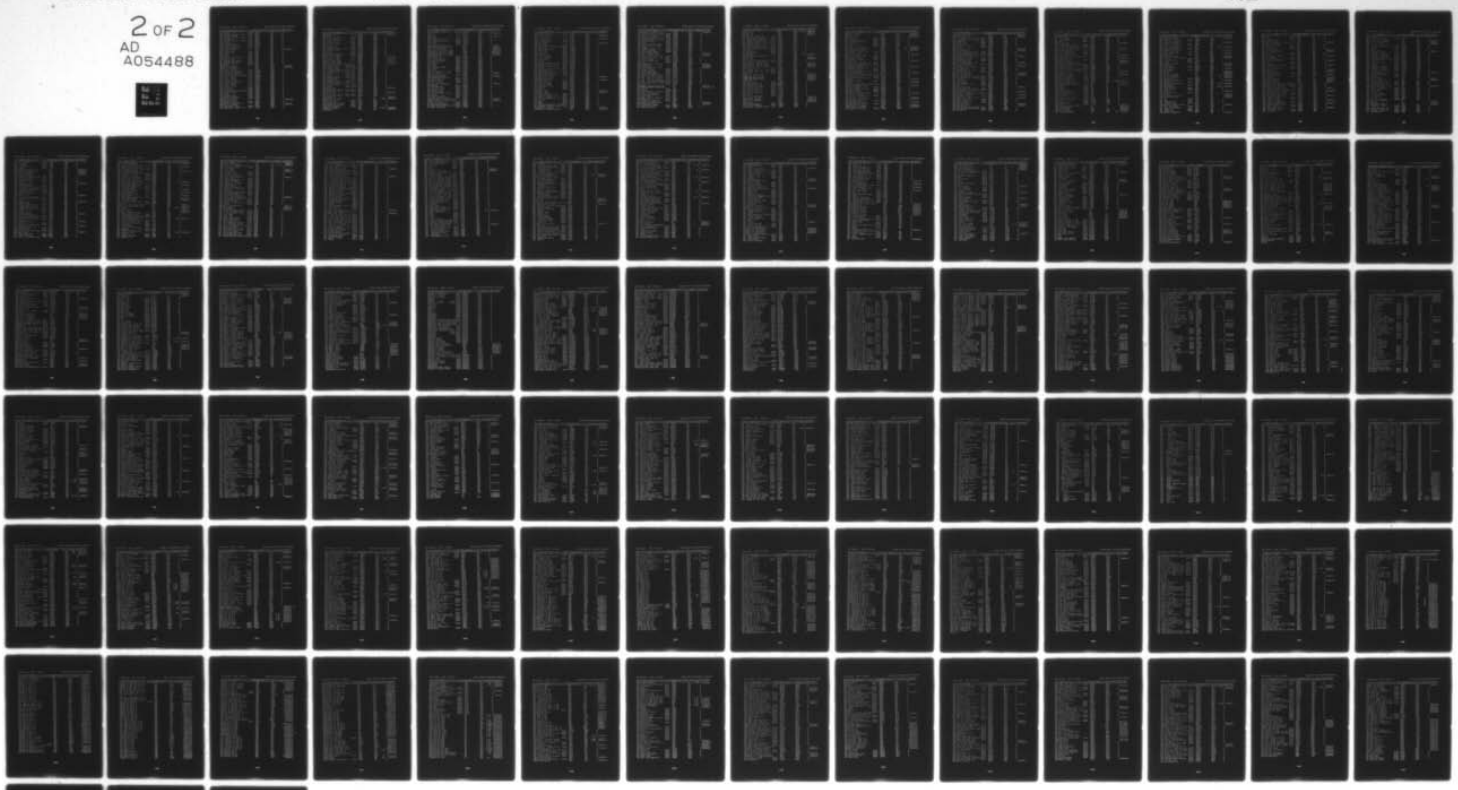

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141 ANTENNA                          61AAA   CAHFA       CAH         A
141 LIGHTNING ARRESTOR MOUNT         61AAB   CAHFB       CAH         1
141 ANTENNA COUPLER                  61AAC   CAHFC       CAH         A
141 LIGHTNING ARRESTOR RELAY         61AAG   CAHFD       CAH         1
141 COAXIAL CABLE                    61AAH   CAHFE       CAH         2
141 ANTENNA CONNECTOR COAXIAL        61AAJ   CAHFF       CAH         2
141 CONNECTOR                        61AAK   CAHFG       CAH         2
141 FOAMFLEX CABLE                   61AAM   CAHFH       CAH         2
141 FOAMFLEX CONNECTOR               61AAN   CAHFJ       CAH         2
141 ANTENNA COUPLER MOUNT            61AAO   CAHFL       CAH         2
141 ACCESSORY UNIT                   61ACO   CAHFM       CAH         2
141PUBLIC ADDRESS COMM                       CAP         CAH           111111111
141 SPEAKERS 6EA                     64FAA   CAPA        CAP         1
141 AMPLIFIER 3EA                    64FAB   CAPB        CAP         2
141 MOUNT                            64FAC   CAPC        CAP         0
141 CONTROL                          64FAD   CAPD        CAP         1
141 SPEAKER SELECTOR RELAY           64FAE   CAPE        CAP         2
141 PANEL SWITCH                     64FAF   CAPF        CAP         1
141 INCREASE GAIN SWITCH             64FAG   CAPG        CAP         0
141 DECREASE GAIN SWITCH             64FAH   CAPH        CAP         0
141 SELECTOR SWITCH                  64FAJ   CAPJ        CAP         1
141 WIRING                           64FAK   CAPK        CAP         1
141UHF COMMUNICATION                         CAU         CAAZZ         111111111
141UHF COMMUNICATION NO 1                    CAUA        CAU           111111111
141 ANTENNA  2 EACH                  63AAA   CAUAA       CAUA        3
141 ANTENNA AT 1076A/A 2EA           63BAA   CAUAAA      CAUA        3
141 CONTROL C2945/ARC5L V            63EAB   CAUAAB      CAUA        A
141 POWER PANEL INDICATOR            63BAC   CAUAAC      CAUA        1
141 RF ANTENNA SWITCH 1199OHM        63BAD   CAUAAD      CAUA        5
141 DIMMING RELAY                    63BAE   CAUAAE      CAUA        0
141 RF LINE SWITCH                   63AAB   CAUAB       CAUA        5
141 AMPLIFIER 443243                 63BCO   CAUABA      CAUA        0
141 ANTENNA CONTROL PANEL            63AAC   CAUAC       CAUA        1
141 ANTENNA SELECTOR                 63AAD   CAUAD       CAUA        1
141 CONTROL C3894/A                  63AAE   CAUAE       CAUA        A
141 SELECTOR RELAY                   63AAF   CAUAF       CAUA        1
141 MT 1995/A                        63AAG   CAUAG       CAUA        0
141 COAXIAL CABLE                    63AAH   CAUAH       CAUA        2
141 FOAMFLEX ANTENNA CONNECTOR       63AAJ   CAUAJ       CAUA        2
141 CONNECTOR RACK                   63AAK   CAUAK       CAUA        1
141 WIRING                           63AAL   CAUAL       CAUA        2
141 FOAMFLEX CABLE                   63AAM   CAUAM       CAUA        2
141 VIBRATION ISOLATOR               63AAN   CAUAN       CAUA        0
141 ANTENNA CONNECTOR                63AAP   CAUAP       CAUA        2
141UHF NO 1 RECEIVE                          CAUB        CAUA          888888888
141 RECEIVER RT641                   63AFO   CAUBA       CAUB        A
141 RECEIVER RT525/ARC 5O            63BBO   CAUBB       CAUB        0
141UHF NO 1 TRANSMIT                         CAUC        CAUA          222222222
141 TRANSMITTER RT641                63ABO   CAUCA       CAUC        A
141 TRANSMITTER RT525/ARC 5O         63BBO   CAUCB       CAUC        0
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0000000001111111111222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890123456
141UHF NO2 COMM                                CAUH          CAU          111111111
141 ANTENNA  2 EACH                  63AAA     CAUHA         CAUH         3
141 RF LINE SWITCH                   63AAB     CAUHB         CAUH         5
141 ANTENA CONTROL PANEL             63AAC     CAUHC         CAUH         1
141 ANTENA SELECTOR                  63AAD     CAUHD         CAUH         1
141 CONTROL C3695/A                  63AAE     CAUHE         CAUH         4
141 SELECTOR RELAY                   63AAF     CAUHF         CAUH         1
141 RT 1595/A                        63AAG     CAUHG         CAUH         0
141 COAXIAL CABLE                    63AAH     CAUHH         CAUH         2
141 FOAMFLEX ANTENNA CONNECTOR       63AAJ     CAUHJ         CAUH         2
141 CONNECTOR RACK                   63AAK     CAUHK         CAUH         1
141 WIRING                           63AAL     CAUHL         CAUH         2
141 FOAMFLEX CABLE                   63AAM     CAUHM         CAUH         2
141 VIBRATION INSULATOR              63AAN     CAUHN         CAUH         0
141 ANTENNA CONNECTOR                63AAP     CAUHP         CAUH         2
141UHF NO.2 RECEIVE                            CAUJ          CAUH                 888888888
141 RECEIVER RT 641                  63ABC     CAUJA         CAUJ         A
141UHF NO.2 TRANSMIT                           CAUK          CAUH                 222222222
141 TRANSMITTER RT641                63ABD     CAUKA         CAUK         A
141VHF COMMUNICATION EQUIP 2 SY                CAV           CAAZX                111111111
141 ANTENNA  2 EACH          62AAA   62AAA     CAVAA         CAV          3
141 CONTROL 5154-2           62AAB   62AAB     CAVAB         CAV          A
141 FOAMFLEX CABLE           62AAC   62AAC     CAVAC         CAV          1
141 COAXIAL ANTENNA CONN     62AAD   62AAD     CAVAD         CAV          2
141 FOAMFLEX ANTENNA CONN    62AAE   62AAE     CAVAE         CAV          2
141 CONNECTOR RACK           62AAF   62AAF     CAVAF         CAV          1
141 WIRING                   62AAG   62AAG     CAVAG         CAV          1
141 ANTENNA 2 EACH           62AAA   62AAA     CAVBA         CAV          3
141 CONTROL 97650-100        62AAB   62AAB     CAVBB         CAV          2
141 COAXIAL CABLE                    62AAC     CAVBC         CAV          2
141 FOAMFLEX CABLE           62AAC   62AAD     CAVBD         CAV          2
141 COAXIAL ANTENNA CONN     62AAD   62AAE     CAVBE         CAV          2
141 FOAMFLEX ANTENNA CO      62AAE   62AAF     CAVBF         CAV          2
141 CONNECTOR RACK           62AAF   62AAG     CAVBG         CAV          1
141 WIRING                   62AAG   62AAH     CAVBH         CAV          1
141VHF RECEIVE                                 CAVR          CAV                  888888888
141 TRANSCEIVER 5184-1C      62A5C   62A60     CAVRA         CAVR         A
141 TRANSCEIVER 607A         62A5D   62A60     CAVRB         CAVR         A
141VHF TRANSMIT                                CAVT          CAV                  222222222
141 TRANSCEIVER 5184-1C      62A5C   62A60     CAVTA         CAVT         A
141 TRANSCEIVER 607A         62A5D   62A60     CAVTB         CAVT         A
141NAVIGATION                                  CB            C      E              001222240
141STEERING SOLUTIONS                          CBA           CB       CBB         008888840
141NAV JNC BOX                       71FAB     CBAA          CBA            0
141TERMINAL STRIP                    71FAC     CBAB          CBA            0
141 NAV SELECTOR SW PILOT            5150L     CBABB         CBHB           1
141TERMINAL STRIP COVER              71FAD     CBAC          CBA            0
141STATIC DISCHARGE                  71FAA     CBAD          CBA            0
141DEAD RECKONING                              CBH           CB     K CBA         000000000
141HEADING                                     CBBA          CBB                  AAAAAAAAA
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C0C0000011111111112222222223333333344444444455555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890123
141 MAGNETIC COMPASS              51CAA  C8CAA          C8CA          A
141TIME                                  C8CB          C8CB            0000000000
141 CLOCK                         51CAA  C8CCA          C8CC          A
141SPEED                                 C8CC          C8C             0000000000
141 SEXTANT                       51DAA  C8DCA          C8DC          A
141 SEXTANT SHUTTER ASSY          51DAC  C8DCB          C8DC          A
141 SEXTANT BASE ASSY             51DAD  C8DCC          C8DC          A
141 BUBBLE                        51DAE  C8DCD          C8DC          5
141 AVERAGER                      51DAG  C8DCE          C8DC          5
141ERROUTE DISPLAYS/ATTEN                C8C           C8A             0011111100
141NAVIGATIONAL SIGNAL DATA              C8D           C8A             0011111100
141DEPENDENT STEERING                    C8DA          C8D             2222222222
141TACTICAL NAVAIDS OF 2 SYSC            C8D6          C8DA            1111111111
141TACTICAL NAVAIDS OF 2 SYSC            C8D8          C8E           F1111111111
141TACTICAL NAVAIDS OF 2 SYSC            C8DH          C8T           F1111111111
141TACTICAL NAVAIDS OF 2 SYSC            C8D9          FJD             1111111111
141 ANTENNA TOP                   71CAA  C8DBA          C8D9          3
141 ANTENNA BOTTOM                71CA9  C8D93          C8DB          3
141 RADIO FREQ SWITCH             71CAC  C8D8C          C8DA          2
141 ANTENNA SELECTOR              71CAD  C8DBD          C8D9          2
141 CONTROL                       71CAE  C8D8E          C8D3          2
141 MOUNT                         71CAF  C8D8F          C8DB          0
141 MOUNT                         71CAG  C8D9G          C8DA          0
141 INDICATOR COUPLER             71CAL  C8D8H          C8DB          A
141 RESISTOR                      71CAM  C8D8J          C8DB          1
141 WIRING                        71CAP  C8D3K          C8DB          1
141 TACAN INDICATOR COUPLER       71CCC  C8D8L          C8D9          A
141MODE CONTROL                          C8DC          C8DB            AAAAAAAAA
141 RADIO SET CONTROL             71CAN  C8DCA          C8DC          8
141TRANSMIT/RECEIVE                      C8DD          C8DB            AAAAAAAAA
141 RECEIVER/TRANSMITTER          71CBO  C8DDA          C8DD          A
141 RACK CONNECTOR                71CAH  C8DDB          C8DD          1
141 SHOCK MOUNT                   71CAJ  C8DDC          C8DD          0
141 R/T MOUNT 929A                71CAK  C8DDD          C8DD          0
141LONG RANGE NAVIGATION                 C8DE          C8DA            1111111111
141 ANTENNA                       72DAA  C8DEA          C8DE          A
141 MOUNT MT 2693                 72DAB  C8DEB          C8DE          0
141 INTERLOCK RELAY               72DAC  C8DEC          C8DE          1
141 COAXIAL CABLE                 72DAD  C8DED          C8DE          1
141 RACK CONNECTOR                72DAE  C8DEE          C8DE          1
141 ANTENNA COUPLER CU 1568       72DAG  C8DEF          C8DE          8
141 WIRING                        72DAH  C8DEG          C8DE          1
141 RECEIVER R 1214               72DPO  C8DEH          C8DE          A
141 POWER SUPPLY PP 3866          72DCO  C8DEJ          C8DE          A
141AUTO DIRECTION FINDER 2EA SY          C8DF          C8DA            1111111111
141AUTO DIRECTION FINDER 2EA SY          C8DF          C8T           F1111111111
141 LOOP ANTENNA                  71AAA  C8DFA          C8DF          A
141 QUADRANT CORRECTOR            71AAB  C8DFB          C8DF          A
141 ADF CONTROL TRANSFER SWITCH71AAD  C8DFC          C8DF          1
141 CABLE ASSY SENSE              71AAE  C8DFD          C8DF          1
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0000000001111111111222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 CABLE ASSY LOOP              71AAF   C00FF          C00F          1
141ADF MODE CONTROL                      C00G           C00F            AAAAAAAAA
141 CONTROL PANEL 2 EA           71AAC   C00GA          C00G          1
141ADF RECEPTION                         C00H           C00F            AAAAAAAAA
141 RECEIVER ADF 73A             71AC0   C00HA          C00H          A
141 RACK CONNECTOR               71AAG   C00HB          C00H          1
141SEARCH RADAR                          C00J           C00A            111111111
141 WAVE GUIDE                   72AAA   C00JA          C00J          A
141 SYNCHRONIZER CONTROL C4005P  72AAB   C00JB          C00J          A
141 FAN DH 150                   72AAC   C00JCC         C00J          5
141 SYNCHRONIZER MOUNT           72AAD   C00JDC         C00J          0
141 MOUNT 1557                   72AAE   C00JEC         C00J          0
141 MOUNT 1497                   72AAF   C00JFC         C00J          0
141 RELAY,POWER                  72AAG   C00JGC         C00J          A
141 CABLE ASSEMBLY               72AAH   C00JHC         C00J          1
141 PANEL ABSORBER               72AAJ   C00JJC         C00J          2
141 COAXIAL CABLE                72AAK   C00JKC         C00J          1
141 JUNCTION BOX                 72AAL   C00JLC         C00J          1
141 WIRING                       72AAM   C00JMC         C00J          1
141 MARKER GENERATOR SG 401      72ABA   C00JN          C00J          A
141 GENERATOR CONTROL C 3939     72ABB   C00JP          C00J          A
141 ANTENNA CONTROL C4000        72ABC   C00JQ          C00J          2
141 WIRING                       72ABD   C00JR          C00J          1
141 RECEIVER/TRANSMITTER RT2985  72ABQ   C00JS          C00J          A
141 DATA GENERATOR               72ABC   C00JT          C00J          A
141 ELECTRONIC CONTROL AM 953    72ABG   C00JU          C00J          A
141 ANTENNA AS 1199/APN 59       72ALO   C00JV          C00J          A
141 SYNCHRONIZER SN 196          72AMO   C00JW          C00J          A
141RADAR MODE CONTROL                    C00K           C00J            AAAAAAAAA
141 RADAR SET CONTROL            72AFO   C00KA          C00K          A
141RADAR PRESSURIZER                     C00L           C00J            AAAAAAAAA
141 PUMP MA 2                    72BAA   C00LA          C00L          A
141 CONTROL C 3949P              72BAB   C00LB          C00L          A
141 SWITCH SA 377/U              72BAC   C00LC          C00L          A
141 DEHYDRATOR HD 185            72BAD   C00LD          C00L          C
141 PLUMBING                     72BAE   C00LE          C00L          1
141 WIRING                       72BAF   C00LF          C00L          1
141DOPPLER RADAR                         C00M           C00A            111111111
141DOPPLER RADAR                         C00M           C00Q            AAAAAAAAAA
141 ANTENNA AS 1168              72EAA   C00MA          C00M          A
141 RADAR SET CONTROL C3813      72EAB   C00MB          C00M          A
141 TEST RECEPTACLE              72EAE   C00MC          C00M          0
141 ANTENNA RESTRAINING CORD     72EAF   C00MD          C00M          0
141 ABSORBER                     72EAG   C00ME          C00M          2
141 MOUNT                        72EAH   C00MF          C00M          0
141 WIRING                       72EAK   C00MG          C00M          1
141 RECEIVER/TRANSMITTER RT625A  72EBC   C00MH          C00M          A
141 FREQUENCY TRACKER CV 1181A   72ECO   C00MJ          C00M          A
141INTEGRATED STEERING                   C00N           C00             111111111
141NAVIGATION COMPUTER ASN-24            C00P           C00N            111111111
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141NAVIGATION COMPUTER ASN-24          C8DP          FJD          111111111
141 COMPUTER SET CONTROL C3961  72GAA  C8DPA         C8DP         A
141 RANGE AND BRNG IND C3963    72GAB  C8DPB         C8DP         2
141 LAT LONG IND C3962          72GAC  C8DPC         C8DP         2
141 TRACK CROSS TRK IND C3964   72GAD  C8DPD         C8DP         2
141 CELESTIAL DATA IND C3965    72GAE  C8DPE         C8DP         2
141 CIRCUIT BREAKER             72GAF  C8DPF         C8DP         1
141 MOUNT                       72GAG  C8DPG         C8DP         0
141 INITIAL CONT IND C6214      72GAH  C8DPH         C8DP         2
141 MODE CONTROL IND C6213      72GAJ  C8DPJ         C8DP         2
141 WIRING                      72GAK  C8DPK         C8DP         1
141 DIGITAL COMPUTER CP641      72GB0  C8DPL         C8DP         4
141 CONVERTER PP3214            72GC0  C8DPM         C8DP         A
141 TEST ADAPTER MX7443         72GD0  C8DPN         C8DP         0
1410COURSE COMPUTER ASN-35             C8DQ          C8DN           111111111
1410COURSE COMPUTER ASN-35             C8DQ          FJD            111111111
141 INDICATOR CONTROL C3819     72FAA  C8DQA         C8DQ         2
141 AUX CROSS TRACK IND C 3820  72FAB  C8DQB         C8DQ         1
141 COMPUTER CP622              72FB0  C8DQC         C8DQ         A
141 CONTROL TRANSFORMER         72FAC  C8DQD         C8DQ         A
141 WIRING                      72FAD  C8DQE         C8DQ         1
1410I2 COMPASSSEA OF 2 SYS<            C8DR          C8DA           111111111
141 HEADING DIST                       C8DR          DEA            222222222
1410I2 COMPASSSEA OF 2 SYS<            C8DR          FJD            AAAAAAAAA
141 DIRECTIONAL GYRO            52DAA  C8DRA         C8DR         A
141 DIGITAL CONTROL             52DAB  C8DRB         C8DR         A
141 REMOTE COMPENSATOR          52DAC  C8DRC         C8DR         A
141 POWER SUPPLY AMPL           52DAD  C8DRD         C8DR         A
141 MAGNETIC AZIMUTH DETECTOR   52DAE  C8DRE         C8DR         A
141 AMPL MODULE P/N 2579546-1   52DAF  C8DRF         C8DR         A
141 AMPL MODULE P/N 2586427     52DAG  C8DRG         C8DR         A
141 AMPL MODULE P/N 2579545-1   52DAH  C8DRH         C8DR         A
141 AMPL MODULE P/N 2586258-1   52DAJ  C8DRJ         C8DR         A
141 FAST SWING MODULE 2589227-1 52DAK  C8DRK         C8DR         1
141 WIRING                      52DAL  C8DRL         C8DR         1
141FLIGHT DIRECTORY GROUP 2SYS         C8E           C8A            111111111
141FLIGHT DIRECTORY GROUP 2SYS         C8E           FKD            111111111 <=
141 COMPUTER                    51BGA  C8EA          C8E          8
141 WIRING                      51BGJ  C8EB          C8E          1
141 HORIZ SITUATION INDICATOR   51BGK  C8EC          C8E          1
141 PILOT NAV SELECTOR SW       51BGL  C8ED          C8E          1
141 COPILOT NAV SELECTOR        51BGM  C8EE          C8E          1
141 SHOCK MOUNT                 51BGN  C8EF          C8E          0
141 POWER ADEQUACY INDICATOR    51BGE  C8EG          C8E          0
141 COMPUTER                    56AF0  C8EH          C8E          8
141 TRANSFORMER,ISOLATION       51BGH  C8EJ          C8E          1
1414PPROACH AND LANDING AIDS           C8F           C8A            000000220
1414PPROACH/LAND MODES                 C8FA          C8F            222222222
141 PILOTS NAV SELECTOR         51BGL  C8FAA         C8FB         1
141 COPILOTS NAV SEL            51BGM  C8FAB         C8FB         1
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1411LS MODE                                  CBFH          CBFA    K CBFD   AAAAAAAAA
141AWLS MODE                                 CBFC          CBFD             111111111
141AWLS MODE                                 CBFC          CBFE             AAAAAAAAA
141 CONTROL BOX P/N 87640          56EAD     CBFCA         CBFC          5
141 FAULT PANEL P/N 87600          56EEC     CBFCB         CBFD          1
141 DISPLAY AND WARNING PANEL      56EFD     CBFCC         CBFC          1
141 AWLS/FLT DIR TEST PANEL        56EJA     CBFCE         CBFC          1
141 ELEVATOR POSITION XMTER        56EJB     CBFCF         CBFV          A
141 VERTICAL ACCELEROMETER 4EA     56EJC     CBFCH         CBFC          5
141 HORIZONTAL ACCELEROMETER       56EJD     CBFCJ         CBFC          5
141 PILOT NAV SELECT SWITCH        56EJE     CBFCK         CBFC          1
141 COPILOT NAV SELECT SWITCH      56EJG     CBFCL         CBFC          1
141 WIRING                         56EJH     CBFCM         CBFC          1
141 CONNECTORS                     56EJJ     CBFCN         CBFC          1
141 COAXIAL CABLE                  56EJK     CBFCP         CBFC          1
141AWLS DATA                                 CBFD          CBFA      CBFB  111111111
141 DISPLAY AND WARNING PANEL      56EEC     CBFDA         CBFD          A
141AUTO AWLS                                 CBFE          CBFU             AAAAAAAAA
141AUTO AWLS                                 CBFF          CBFY             AAAAAAAAA
141 DISPLAY AND WARNING PANEL      56EEC     CBFFA         CBFE          A
141 AUTOPILOT CONTROL PANEL        52EFD     CBFFB         CBFE          A
141GLIDESLOPE (EACH OF 2 SYSC                CBFF          CBF              111111111
141GLIDESLOPE (EACH OF 2 SYSC                CBFF          CBFN             FAAAAAAAAA
141GLIDESLOPE (EACH OF 2 SYSC                CBFF          FKD              000000110
141 ANTENNA 87P 4                  71EAA     CBFFA         CBFF          A
141 RECEIVER 8CGP 2EA    71EAC     71EAB     CBFFB         CBFF          1
141 RECEIVER 51V-4 2EA   71EAD     71EAC     CBFFC         CBFF          1
141 WIRING                         71EAD     CBFFD         CBFF          1
141VHF NAV (EA OF 2 SYS                      CBFG          CBDA             011111000
141VHF NAV (EA OF 2 SYS                      CBFG          CBF              111111111
141VHF NAV (EA OF 2 SYS                      CBFG          CBFF             FAAAAAAAAA
141VHF NAV (EA OF 2 SYS                      CBFG          CBFN             FAAAAAAAAA
141VHF NAV                                   CBFG          FJD              111111111
141 ANTENNA NOSE                   71DAA     CBFGA         CBFG          A
141 ANTENNA LEFT TAIL              71DAA     LCBFGA        CBFG          2
141 ANTENNA RIGHT TAIL             71DAA     RCBFGA        CBFG          2
141 COAXIAL CABLE ASSY             71DAB     CBFGB         CBFG          1
141 RECEIVER 8CG-A 2EA             71DAC     CBFGC         CBFG          1
141 CONTROL PANEL  2EA             71DAD     CBFGD         CBFG          1
141 INTERLOCK RELAY                71DAF     CBFGE         CBFG          1
141 RACK CONNECTOR 2EA             71DAG     CBFGF         CBFG          1
141 WIRING                         71DAH     CBFGG         CBFG          1
141 RECEIVER 51V-6 2EA             71DAJ     CBFGH         CBFG          1
141VERTICAL NAVIGATION                       CBFH          CBDA             011111000
141VERTICAL NAVIGATION                       CBFH          CBF              111111111
141VERTICAL NAVIGATION                       CBFH          CBFN             FAAAAAAAAA
141VER NAV                                   CBFH          CNT              F111111111
141 CONTROLLER 2EA                 56CAD     CBFHA         CBFH          1
141 VER NAV COMPUTER               56CHC     CBFHB         CBFH          A
141 LOCALIZER ANTENNA SYSTEM       56CDC     CBFHC         CBFH          A
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1234567890123456789012345678901234567890123456789012345678901234567890123456
141MARKER BEACON                          CBFJ            CBFJZ          111111111
141MARKER BEACON                          CBFJ            CBFP          FAAAAAAAAA
141MARKER BEACON                          CBFJ            CBT           FIIIIIIIII
141 ANTENNA                      715AA    CBFJA           CBFJ            A
141 RECEIVER 512                 715AB    CBFJB           CBFJ            A
141 SENSITIVITY SWITCH           715AC    CBFJC           CBFJ            1
141 RESISTOR                     715AG    CBFJG           CBFJ            1
141 RACK CONNECTOR               715AH    CBFJH           CBFJ            1
141 WIRING                       715AJ    CBFJJ           CBFJ            1
141MARKER BEACON ATTEN                    CBFJZ           CBF            111111111
141APPROACH/LAND DISPLAYS                 CBFL            CBF      CBT   222222222
141VERTICAL GUIDANCE INFO                 CBFM            CBFL           111111111
141 ATTITUDE DIRECTOR IND        56AAC    CBFMA           CBFM            1
141 ADI SERVO AMPL               56ACC    CBFMB           CBFM            1
141LATERAL GUIDANCE INFO                  CBFN            CBFL           111111111
141 HORIZ SIT IND 2EA            51BGK    CBFNA           CBFN            1
141 NAV SEL SW PILOT             51BGL    CBFNB           CBFN            1
141 NAV SEL CO PILOT             51BGM    CBFNC           CBFN            1
141RANGE INFO                             CBFP            CBFL           111111111
141 AIRWAY INDICATOR LITE 2EA    715AD    CBFPA           CBFP            2
141 MID MARKER IND LITE 2EA      715AE    CBFPB           CBFP            2
141 OUTER MARKER IND LITE 2EA    715AF    CBFPC           CBFP            2
141ALTITUDE DISPLAYS                      CBFQ            CBFL           111111111
141 ATTITUDE DIRECTOR IND        56AA0    CBFQA           CBFQ            1
141 ADI SERVO AMPL               56AC0    CBFQB           CBFQ            1
141 DISPLAY AND WARN PRESSURE    56DE0    CBFQC           CBFQ            1
141R/GA COMPUTATION                       CBFR            CBFC          000000050
141 ROTATION GO AROUND COMPUTER  56HJ0    CBFRA           CBFR            A
141 R/GA SW 2EA                  9956Z    CBFRB           CBFR            1
141WING FLAP POSITION XMTR       56DJB    CBFRC           CBFR            1
141FLARE                                  CBFS            CBFC          000000050
141 FLARE COMPUTER               56BL0    CBFSA           CBFS            A
141TPLC                                   CBFT            CBFC          AAAAAAAAA
141 TEST PROGRAM LOGIC COMPUTER  56DG0    CBFTA           CBFT            A
141AUTO THROTTLE COMMANDS                 CBFU            BP            000000000
141 SPEED TRIMMER                56BB0    CBFUA           CBFU            5
141 AUTO THROTTLE COMPUTER       56BC0    CBFUB           CBFU            A
141 CLUTCH PACK                  56BE0    CBFUC           CBFU            A
141 MOTOR GENERATOR              56BG0    CBFUD           CBFU            A
141AWLS AUTO PITCH COMMANDS               CBFV            FKB           000000010
141 ELEVATOR COMPUTER            52EA0    CBFVA           CBFV            A
141 WING FLAP POSITION XMTER     56DJC    CBFVG           CBFV            A
141AWLS AUTO ROLL COMMAND                 CBFW            CBFX          AAAAAAAAA
141AWLS AUTO ROLL COMMAND                 CBFW            FJB           000000010
141 AILERON COMPUTER             52EC0    CBFWA           CBFW            A
141AWLS AUTO YAW COMMAND                  CBFX            FHC           000000010
141 YAW DAMPER COMPUTER          52EB0    CBFXA           CBFX            A
141AWLS AUTO FLT SIGNAL                   CBFY            CBFV          AAAAAAAAA
141AWLS AUTO FLT SIGNAL                   CBFY            CBFW          AAAAAAAAA
141 AUTOPILOT COUPLER            52EE0    CBFYA           CBFY            A
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00000000011111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234
141HEADING INFORMATION                    C0G          CBC          22222222
141BOMI HEADING INFO                      CBCA         CBG          11111111
141 BOMI SELECTOR SW 2 EA P/CP  71GAB     C0GAA        CBGA         1
141 BOMI SELECTOR SW NAVIGATOR  71GAD     CBGAB        CBGA         0
141 TRANSFORMER                 71GAE     CBGAC        CBGA         1
141 PILOT BOMI                  71GAF     CBGAD        CBGA         1
141 CO PILOT BOMI               71GAG     CBGAE        CBGA         1
141 NAVIGATOR BOMI 2EA          71GAH     CBGAF        CBGA         0
141 WIRING                      71GAJ     CBGAG        CBGA         1
141HSI HEADING INFO                       CBG3         CBG          11111111
141HSI HEADING INFO                       CBGB         FJD          11111111
141 HORIZ SITUATION IND 2EA     51BGK     CBGBA        CBGB         1
141 PILOT NAV SELECTOR SWITCH   51BGL     CBGBB        CBGB         1
141 CO PILOT NAV SELECTOR       51BGM     CBGBC        CBGB         1
141SEARCH RADAR HEADING INFO              CBGC         CBG          11111111
141 PILOTS INDICATOR            72AHC     CBGCA        CBGC         1
141 NAVIGATOR INDICATOR         72AJC     CBGCB        CBGC         1
141 POWER SUPPLY 2EA            72AKC     CBGCC        CBGC         1
141NAV COMPUTER HEADING INFO              CBGD         CBG          11111111
141 CONTROL INDICATOR           72CAH     CBGDB        CBGD         1
141ADI HEADING INFO 2 SYS                 CBGE         CBG          11111111
141 ATTITUDE DIRECTOR IND       51BGB     CBGEA        CBGE         1
141 ADI AMPLIFIER               51BGC     CBGEB        CBGE         1
141 ATTITUDE DIRECTOR IND       56ACB     CBGEC        CBGE         1
141 ADI AMPLIFIER               56ACC     CBGED        CBGE         1
141BEARING INFORMATION                    CBH          CBC          222222222
141BOMI BEARING INFO                      CBHA         CBH          11111111
141 BOMI SELECTOR SW  2EA P/CP  71GAB     CBHAA        CBHA         1
141 BOMI SELECTOR SW NAVIGATOR  71GAD     CBHAB        CBHA         0
141 TRANSFORMER                 71GAE     CBHAC        CBHA         1
141 BOMI PILOT                  71GAF     CBHAD        CBHA         1
141 BOMI COPILOT                71GAG     CBHAE        CBHA         1
141 BOMI NAVIGATOR 2EA          71GAH     CBHAF        CBHA         0
141 WIRING                      71GAJ     CBHAG        CBHA         1
141HSI BEARING INFO                       CBHB         CBH          11111111
141 HORIZ SITUATION IND 2EA     51BGK     CBHBA        CBHB         1
141 NAV SELECTOR SW CO PILOT    51BGM     CBHBC        CBHB         1
141NAV COMP BEARING INFO                  CBHC         CBH          11111111
141 INDICATOR BEARING AND RANGE 72GAE     CBHCA        CBHC         5
141DRIFT ANGLE APN 147                    CBHD         CBC          000000000
141 INDICATOR ID/33A            72EAC     CBHDA        CBHD         A
141SEARCH RADAR BEARING INFO              CBHE         CBH          11111111
141 PILOT INDICATOR             72AHC     CBHEA        CBHE         1
141 NAVIGATOR INDICATOR         72AJC     CBHEB        CBHE         1
141 POWER SUPPLY                72AKC     CBHEC        CBHE         1
141RANGE INFORMATION                      CBJ          CBC          11111111
141BOMI RANGE INFO                        CBJA         CBJ          11111111
141 BOMI SELECTOR SW 2EA P/CP   71GAB     CBJAA        CBJA         1
141 BOMI SELECTOR SW NAVIGATOR  71GAD     CBJAB        CBJA         0
141 TRANSFORMER                 71GAE     CBJAC        CBJA         1
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00000000011111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 PILOT                    71GAF   CBJAD          CBJA          1
141 COPILOT                  71GAG   CBJAE          CBJA          1
141 NAVIGATOR 2EA            71GAH   CBJAF          CBJA          0
141 WIRING                   71GAJ   CBJAG          CBJA          1
141TEST RANGE INFO                   CBJB           CBJ             111111111
141 HORIZ SITUATION IND 2EA  51FGK   CBJBA          CBJB          1
141 NAV SELECTOR SW PILOT    51FGL   CBJBB          CBJB          1
141 NAV SELECTOR SW COPILOT  51FGM   CBJBC          CBJB          1
141SEARCH RADAR RANGE INFO           CBJC           CBJ             111111111
141 PILOT INDICATOR          72AHC   CBJCA          CBJC          1
141 NAVIGATOR INDICATOR      72AJC   CBJCB          CBJC          1
141 POWER SUPPLY 2EA         72AKC   CBJCC          CBJC          1
141NAV COMPUTER RANGE INFO           CBJD           CBJ             111111111
141 INDICATOR RANGE AND BEARING72GAB CBJDA          CBJD          A
141GROUND SPEED INFO                 CBJE           CBC             000000000
141 INDICATOR 2EA            72EAC   CBJEA          CBJE          A
141PRESENT POSITION                  CBK            CBC             111111111
141NAVIGATION COMPUTER INFO          CBKA           CBK             111111111
141 INDICATOR RANGE AND BEARING72GAB CBKAA          CBKA          1
141 INDICATOR LAT LONG       72GAC   CBKAB          CBKA          1
141 INDICATOR TRACK          72GAD   CBKAC          CBKA          1
141 INDICATOR CELESTIAL DATA 72GAE   CBKAD          CBKA          1
141 CONTROL INDICATOR INITIAL72GAH   CBKAE          CBKA          1
141LORAN INFO                        CBKB           CBK             111111111
141 RECEIVER R 1214          72DFC   CBKBA          CBKB          A
141SEARCH RADAR INFO                 CBKC           CBK             111111111
141 PILOT INDICATOR          72AHC   CBKCA          CBKC          1
141 NAVIGATOR INDICATOR      72AJC   CBKCB          CBKC          1
141 POWER SUPPLY 2EA         72AKC   CBKCC          CBKC          1
141NAV TIME MONITORING               CBT            CBF     K CBFL  111111111
141 MONITOR PANEL C 3943     64AAB   CBTA           CBT           A
141IDENTIFICATION APX 64             CC             C               000000000
141 ANTENNA                  65EAB   CCA            CC            A
141 MOUNT                    65EAC   CCB            CC            0
141 TEST JACK                65EAD   CCC            CC            0
141 COAXIAL CABLE            65EAE   CCD            CC            1
141 WIRING CONNECTOR         65EAF   CCE            CC            1
141 TRANSPONDER CONTROL      65EAA   CCF            CC            8
141 CADC INPUT CONTROL       65EAG   CCG            CC            1
141 RECEIVER                 65EFC   CCH            CC            8
141 TEST SET TRANSPONDER     65ECC   CCJ            CC            0
141 WIRING CONNECTOR         71AAH   CDDFD          CBDF          1
141 WIRING                   71AAJ   CDDFE          CBDF          1
141 SENSE ANTENNA            71ABC   CDDFF          CBDF          1
141 COUPLER                  71ABA   CDDFG          CBDF          1
141 INFORMATION AND DISPLAY          D                              AAAAAAAAA
141 FLIGHT STATUS                    DA             D               011111130
141 ALTITUDE INFO                    DAA            DA      E       00A111AA0
141 RADIO ALTITUDE                   DAB            DAA             001AAA210
141 NORMAL INDICATION                DAC            DAB     DAD     111111111
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0000000011111111112222222223333333334444444445555555556666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141 PILOTS INDICATION                    DACA      DAC                 222222222
141   INDICATOR ALTIMETER      51AAC     DACAA     DACA          8
141   ALT MON SW (PILOT)       99518     DACAB     DACA          2
141 COPILOTS INDICATION                  DACB      DAC                 111111111
141   INDICATOR ALTIMETER      51AAC     DACBA     DACB          8
141   ALT MON SW (COPILOT)     99518     DACBB     DACB          2
141 STANDBY INDICATION                   DAD       DA3     K DAC       111111111
141   PRESS ALT STANDBY        51BH8     DADA      DAD           8
141 NAV/FLT ENG INDICATION               DAE       DA3                 000C00000
141   ALT PRESS 2 EA(          51EHA     DAEA      DAE           2
141 RADAR ALTITUDE IND                   DAF       DAA                 001000210
141   INDICATOR                72JH0     DAFA      DAF           6
141ALTITUDE PROCESSOR                    DAFB      CREQ                111111111
141 RADAR ALTITUDE PROCESSING            DAF5      DAF                 AAAAAAAAA
141   RT ASSY                  72JAC     DAF3A     DAFB          8
141   ANTENNA 2 EA(            72JCC     DAFBB     DAFB          3
141   MOUNT                    72JCC     DAFBC     DAFB          0
141 VERTICAL VELOCITY                    DAG       DAA                 000000010
141 PILOTS IND                           DAGA      DAG                 222222222
141   VERT VELO IND            51AAC     DAGAA     DAGA          8
141 COPILOTS IND                         DAGB      DAG                 111111111
141   VERT VELO IND            51AAC     DAGBA     DAGB          8
141 ATTENUATION                          DAX       DA                  111111111
141 AIRSPEED                             DBA       DAX                 0A1010100
141 AS/MACH INDICATION                   DBB       DBA                 333333333
141 NORM AS INDICATION                   DBC       DB3       DBD       111111111
141 PILOTS INDICATION                    DBCA      DBC                 222222222
141   AS/MACH IND              51AAB     DBCAA     DBCA          8
141 COPILOTS INDICATION                  DBCB      DBC                 111111111
141   AS/MACH IND              51AAB     DBCBA     DBCB          8
141 STANDBY AS INDICATION                DBD       DB3     K DBC       AAAAAAAAA
141   INDICATOR                51BHC     DBDA      DBD           8
141 TAS INDICATION                       DBE       DBA     K DBB       AAAAAAAAA
141   INDICATOR TAS            51AAD     DBEA      DBE           8
141   CADC SEL SW              65BAG     DBEB      DBE           2
141 G-LOAD                               DCA       DAX                 000000000
141   ACCELEROMETER            51BHD     DCAA      DCA           A
141 ATTITUDE                             DCB       DA      F           011111110
141 ROLL/PITCH INDICATION                DCC       DCB                 999999999
141 PILOTS INDICATION                    DCD       DCC                 222222222
141   ADI                      51FGB     DCDA      DCD           3
141   ADI                      56AAD     DCDB      DCD           8
141   AMPLIFIER ADI            51BGC     DCDC      DCD           8
141   AMPLIFIER ADI            56ACC     DCDD      DCD           8
141 ATTITUDE SENSING (PILOT)             DCE       DCD                 AAAAAAAAA
141   GYRO RATE SWITCH         51BGF     DCEA      DCE           3
141   GYRO DISPLACEMENT        51BGG     DCEB      DCE           A
141   WIRING                   51PGJ     DCEC      DCE           1
141   SHOCK MOUNT              51BGN     DCED      DCE           1
141 COPILOTS INDICATION                  DCF       DCC                 111111111
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0000000001111111111222222222233333333444444444455555555566666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890123456
141  ADI                          51EGB   DCFA        DCF        8
141  ADI                          56AAC   DCFB        DCF        8
141  AMPLIFIER ADI                51EGC   DCFC        DCF        8
141  AMPLIFIER ADI                56ACC   DCFD        DCF        8
141 ATTITUDE SENSING #COPILOT<            DCG         DCF          AAAAAAAAA
141  GYRO RATE SWITCH             51EGF   DCGA        DCG        3
141  GYRO, DISPLACEMENT           51EGG   DCGB        DCG        A
141  WIRING                       51EGJ   DCGC        DCG        1
141  SHOCK MOUNT                  51EGN   DCGD        DCG        1
141 TURN/SLIP INDICATION                  DCH         DCB          111111111
141 PILOTS INDICATION                     DCJ         DCH          222222222
141  ADI                          51EGE   DCJA        DCJ        8
141  AMP ADI                      51EGC   DCJB        DCJ        8
141 TURN SENSING #COPILOT<                DCK         DCJ          AAAAAAAAA
141  TRANSMITTER                  51EGD   DCKA        DCK        A
141  POWER ADEQUATE IND           51EGE   DCKB        DCK        1
141 COPILOTS INDICATION                   DCL         DCH          111111111
141  ADI                          51EGB   DCLA        DCL        8
141  AMP ADI                      51EGC   DCLB        DCL        8
141 TURN SENSING #COPILOT<                DCM         DCL          AAAAAAAAA
141  TRANSMITTER                  51EGD   DCMA        DCM        A
141  POWER ADEQUATE IND           51EGE   DCMB        DCM        1
141 TOTAL TEMP                            DCN         DA           000000000
141 PILOTS TT IND                         DCNA        DCN          222222222
141  TOTAL TEMP IND               51EEC   DCNAA       DCNA       8
141 FLT ENG TEMP IND                      DCNB        DCN          111111111
141  TOTAL TEMP IND               51EEC   DCNBA       DCNB       8
141 WARNINGS                              DD          D            111111111
141 TAKEOFF WARNING                       DDB         DD           000000000
141 DOORS CLOSED                          DDBA        DDB          AAAAAAAAA
141 SPOILERS CLOSED                       DDBB        DDB          AAAAAAAAA
141SPOILER HYD3 DISENGAGE RELAY14HHJ      DDBBA       DDBB       A
141SPOILER HYD2 DISENGAGE RELAY14HHJ      DDBBA       DDBB       A
141  SPOIL CONT WARN RELAY        14HHJ   DDBBC       DDBB       A
141 THRUST REVERSERS CLOSED               DDBC        DDB          AAAAAAAAA
141  THRUST REV UNLOCK RELAY      23TSB   DDBCA       DDBC       A
141 ESSENTIAL POWER CONNECTED             DDBD        DDB          AAAAAAAAA
141  ESS NAV BUS NO 2 RELAY       42EAD   DDBDA       DDBD       A
141  ISO AC BUS OFF RELAY         42EAG   DDBDB       DDBD       A
141 AUTO PILOT DISENGAGED                 DDBE        DDB          AAAAAAAAA
141  SWITCHING ASSY NO 2          52EBD   DDBEA       DDBE       A
141  SWITCHING ASSY NO 1          52EBE   DDBEB       DDBE       A
141 WEIGHT ON WHEELS                      DDBF        DDB          AAAAAAAAA
141  TOUCHDOWN RELAY NO 2         13ACB   DDBFA       DDBF       A
141 FLAPS IN TAKEOFF POSIT                DDBG        DDB          AAAAAAAAA
141  FLAP POSITION RELAY          14GEF   DDBGA       DDBG       A
141  FLAP POSIT SW                14GDC   DDBGB       DDBG       A
141 HORIZ STAB IN TRIM                    DDBH        DDB          AAAAAAAAA
141  STAB TRIM RELAY              14FHF   DDBHA       DDBH       A
141  RECTIFIER                    49EGA   DDBX        DDB        A
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000000000011111111112222222223333333334444444445555555556666666667777777778
123456789012345678901234567890123456789012345678901234567890123456789012345
141  WIRING                          49E3B   DDBAY          DE3          1
141  INDICATOR WARN LITE             49EBA   DDBBZ          DEB          A
141  MAXIMUM SPEED WARNING                   DDC            CBT           F111111111
141  MAXIMUM SPEED WARNING                   DDC            DBA           0000000000
141  TONE GENERATION                         DDCA           DDC           AAAAAAAAAA
141  OVERSPEED WARN RELAY            49ECC   DDCAA          DDCA         A
141  GENERATOR MAX SPEED WARN        49ECB   DDCAB          DDCA         A
141  RESISTOR                        49ECE   DDCAC          DDCA         A
141  WIRING                          49ECD   DDCAD          DDCA         1
141  WARNING DIST                            DDCB           DDC           AAAAAAAAA
141  AMPLIFIER CPILOTC               49ECA   DDCBA          DDCB         2
141  AMPLIFIER COPILOTC              49ECA   DDCBB          DDCB         1
141  AMPLIFIER RELT ENGC             49ECA   DDCBC          DDCB         1
141  AMPLIFIER OBSERVERC             49ECA   DDCBD          DDCB         0
141  AUDIBLE WARN TEST PANEL         49EAA   DDCBE          DDCB         1
141  TERMINAL STRIP                  49EAC   DDCBF          DDCB         1
141  COVER                           49EAD   DDCBG          DDCB         0
141  RESISTORS 28 EAC                49EAE   DDCBH          DDCB         1
141  WIRING                          49EAF   DDCBJ          DDCB         1
141  AMPLIFIER CPILOTC               49EAB   DDCBK          DDCB         2
141  AMPLIFIER COPILOTC              49EAB   DDCBL          DDCB         1
141  AMPLIFIER RELT ENGC             49EAB   DDCBM          DDCB         1
141  AMPLIFIER OBSERVERC             49EAB   DDCBN          DDCB         0
141  BAILOUT ALARM                           DDD            DD            000000000
141  BAILOUT ALARM SWITCH            99498   DDDA           DDD          A
141  WARN-BAILOUT ALARM              49EEA   DDDB           DDD          8
141  WIRING                          49EEB   DDDC           DDD          1
141  MISC RECORDING                          DE             D             000000000
141  AIRBORNE FLIGHT RECORD                  DEA            DE            0AAAAAAAA
141  RECORDER UNIT                   51CAA   DEAA           DEA          8
141  ACCEL SENSOR REMOTE             51CAB   DEAB           DEA          2
141  MAGAZINE RECORDER UNIT          51CAC   DEAC           DEA          3
141 LEAD FORCE PERF RECORDER                 DEB            DE            AAAAAAAAA
141  PERF  RECORDER                  49EAC   DEBA           DEB          8
141  SIGNAL PRECONDITIONER           49EAB   DEBB           DEB          A
141  TIMER PANEL                     49EAC   DEBC           DEB          A
141  PCM PANEL                       49EAD   DEBD           DEB          A
141  RECORDER BASE                   49EAE   DEBE           DEB          1
141  RECORDER CASSETTE               49EAF   DEBF           DEB          8
141  TRANSDUCERS                     49EAG   DEBG           DEB          2
141  WIRING                          49EAH   DEBH           DEB          1
141  SIS DATA TRANSLATOR             49EAA   DEBJ           DEB          A
141ENVIRONMENTAL CONTROL                     E                            AAAAAAAAA
141 LIGHTING                                 EA             E      D      111111121
141 INTERNAL LIGHTING                        EAA            EA            0AAAAAAAC
141  PUSH BUTTON SWITCHES            44CAA   EAAAA          EAZ          1
141  RESISTOR                        44CAB   EAAB           EAZ          1
141  STEP-DOWN TRANSFORMER           44CAC   EAAC           EAZ          1
141  VARIABLE TRANSFORMER            44CAD   EAAD           EAZ          1
141  CONTROL RELAY                   44CAE   EAAE           EAZ          1
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0000000011111111112222222223333333334444444555555555566666666677777777773
1234567890123456789012345678901234567890123456789012345678901234567890123
141  DIMMER RELAY                44CAF   EAAF              EAZ          1
141  RHEOSTAT                    44CAG   EAAG              EAZ          1
141  RECTIFIER                   44CAH   EAAH              EAZ          1
141  CIRCUIT BREAKER             44CAJ   EAAJ              EAZ          1
141  WIRING                      44CAK   EAAK              EAZ          1
141 EXTERIOR LIGHTING ATTEN              EAB               EA                111111121
141 EXTERIOR LIGHTING                    EAC               EAB               111111111
141 FLT STATION LIGHTING                 EAD               EAA               011111120
141 PRIMARY LIGHTING                     EAE               EAD               111111111
141  PANEL EDGE LIGHTS           44EAF   EAEA              EAE          1
141  NAV-ENG WORKTABLE LIGHTS    44EAG   EAEB              EAL          1
141  HAND SIGNAL LIGHT           44EAK   EAEC              EAE          2
141  POST PANEL LIGHT            44EAE   EAED              EAE          1
141  WIRING                      44EAS   EAEE              EAE          0
141 SECONDARY LIGHTING                   EAF               EAL               111111111
141  UTILITY LIGHTS              44EAB   EAFA              EAF          1
141  PANEL FLOOD LIGHTS          44EAL   EAFB              EAF          1
141  FLT STATION DOME LIGHTS     44EAH   EAFC              EAF          1
141  FLT STATION READING LTS     44EAJ   EAFD              EAF          1
141  LAVATORY LIGHT              44EAL   EAFE              EAF          0
141  FLT STA ACCESS LIGHT        44EAM   EAFF              EAF          1
141  WIRING                      44EAS   EAFG              EAF          1
141 CARGO LIGHTING                       EAG               EAA               000000000
141  CARGO COMP DOME LIGHTS      44EAA   EAGA              EAW          1
141  RAMP LOADING FLOOD LIGHT    44EAC   EAGB              EAW          0
141  WIRING                      44EAS   EAGC              EAW          0
141 WARNING LIGHTS                       EAH               EGA               111111111
141  CONTROL UNIT                44EBA   EAHA              EAH          A
141  MASTER CAUTION LIGHT        44EBB   EAHB              EAH          A
141  ANNUNCIATOR LIGHT ASSY      44EBC   EAHC              EAH          8
141  MASTER CAUTION COVER        44EBD   EAHD              EAH          4
141  ANNUNCIATOR PANEL COVER     44EBE   EAHE              EAH          4
141  WIRING                      44EBF   EAHF              EAH          1
141  WARNING LIGHTS              44EAK   EAHG              EAH          A
141 INSPECTION LIGHTS                    EAJ               EAA               000000000
141  UNDER DECK LIGHT ASSY       44EAN   EAJA              EAJ          8
141  VERTICAL STAB LIGHT ASSY    44EAP   EAJB              EAJ          8
141  AFT TUNNEL LIGHT ASSY       44EAQ   EAJC              EAJ          8
141  WIRING                      44EAS   EAJD              EAJ          1
141 NAVIGATIONAL LIGHTS                  EAK               EAC               111111111
141  WIRING                      44AAJ   EAKA              EAK          1
141  PILOT AFT OVERHEAD PANEL    9944B   EAKB              EAK          2
141 LANDING/TERRAIN CLEAR                EAL               EAC               000000000
141  LANDING LIGHT               44AAC   LEALA             EAL          1
141  LANDING LIGHT               44AAC   REALA             EAL          1
141  PILOT END OVERHEAD PANEL    9944A   EALB              EAL          2
141 TAXI LIGHTING                        EAM               EAC               100000001
141  TAXI LIGHTS 2 EA            44AAD   LEAMA             EAM          1
141  TAXI LIGHTS 2 EA            44AAD   REAMA             EAM          1
141  PILOT END OVERHEAD PANEL    9944A   EAMB              EAM          2
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000000000111111111122222222233333333344444444455555555566666666677777777778
123456789012345678901234567890123456789012345678901234567890123456789012345
141 FORMATION LIGHTING                          EAN          EAC              00111110
141  PILOT AFT OVERHEAD PANEL    99448          EANA         EAN          2
141 ANTI-COLLISION LIGHTING                     EAP          EAC              11111111
141  PILOT AFT OVERHEAD PANEL    99448          EAPA         EAP          2
141  ANTI-COLLISION LTS  3 EA    44AAE          EAPB         EAP          2
141 INFORMATION LIGHTING                        EAQ          EAC              C0000000
141  PILOT AFT OVERHEAD PANEL    99448          EAQA         EAQ          2
141  LEADING EDGE LIGHT          44AAF          LEAQB        EAQ          2
141  LEADING EDGE LIGHT          44AAF          REAQB        EAQ          2
141  NOSE WHEEL WELL LIGHT       44AAG          EAQC         EAQ          3
141  MAIN WHEEL WELL LIGHT       44AAH          LEAQD        EAQ          3
141  MAIN WHEEL WELL LIGHT       44AAH          REAQD        EAQ          3
141 FUSELAGE FORMATION LIGHTS                   EAR          EAN              11111111
141  FORMATION LIGHTS 3 EA       44AAB          EARA         EAR          3
141 WING FORMATION LIGHTING                     EAS          EAN              11111111
141  FORMATION LIGHTS 3 EA       44AAH          LEAS         EAS          1
141  FORMATION LIGHTS 3 EA       44AAP          REAS         EAS          1
141 L WING LIGHTING                             EAT          EAK              11111111
141  NAVIGATIONAL LIGHT          44AAA          EATA         EAT          8
141 R WING LIGHTING                             EAU          EAK              11111111
141  NAVIGATIONAL LIGHT          44AAA          EAUA         EAU          8
141 TAIL LIGHTING                               EAV          EAK              11111111
141  NAVIGATIONAL LIGHTS 2EA     44AAA          EAVA         EAV          1
141 WHITE CARGO LIGHTS                          EAW          EAG              11111111
141 RED CARGO LIGHTS                            EAX          EAG              11111111
141  CARGO COMP ZONE LIGHTS      44BAA          EAXA         EAX          1
141  WIRING                      44BAS          EAXB         EAX          J
141INTERNAL LIGHTING ATTENUATON                 EAY          EAA              11111111
141INTERNAL LIGHTING PWR CONT                   EAZ          EAY              11111111
141 OXYGEN                                      EB           E        K ECN   00888800
141 CREW OXYGEN                                 EBA          EB               00155500
141 TROOP OXYGEN                                EBB          EB               00011100
141 OXYGEN PRESSURE CONTROL                     EBC          EBH              AAAAAAAAA
141  MANUAL SHUTOFF VALVE        47AAB          EBCA         EBC          2
141  LOX PRESS REGULATOR 4 EA    47AAG          EBCB         EBD          1
141  MANUAL SHUTOFF VALVE EXT    47AAK          EBCC         EBC          8
141 OXYGEN DISTRIBUTION NORM                    EBD          EBA      EBE     222222222
141  PRESSURE CLOSING VALVE      47AAN          EBDA         EBD            A
141  HEAT EXCHANGERS 2 EA        47AAC          EBDB         EBD          2
141  VALVE-FILL- BILDUP-VENT     47AAD          EBDC         EBD          1
141  DRAIN VALVE                 47AAL          EBDD         EBD          1
141  OVERBOARD VENT              47AAF          EBDE         EBD          1
141  MECHANISM HOSE ASSEMBLY     47AAH          EBDF         EBD          1
141  PLUMBING                    47AAM          EBDG         EBD          1
141  MASK TO REGULATOR HOSE      47AAJ          EBDH         EBD          A
141 EMERGENCY OXYGEN                            EBE          EBA      K EBD   AAAAAAAAA
141  BOTTLE 5 EA                 47BAA          EBEA         EBE          1
141  FILLER VALVE 5EA            47BAB          EBEB         EBE          1
141  REGULATOR 5 EA              47BAC          EBEC         EBE          1
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141 PILOT INITIATE                          EBF          EBF              AAAAAAAAA
141 OXYGEN INFO STATUS                      EBG          EBF    I EBD     AAAAAAAAA
141  25 LITER QUANTITY INDICATOR 47ACC      EBGA         EBG          1
141  LOX WARNING LIGHT          47AAL       EBGB         EBG          2
141 NORMAL OXYGEN                           EBH          EBD          AAAAAAAAA
141 NORMAL OXYGEN                           EBH          EBG          F0C1555000
141  QUANTITY PROBE             47ACA       EBHA         EBG          2
141  COAXIAL CABLE              47ACB       EBHB         EBG          2
141  25 LITER CONVERTER         47AAA       EBHC         EBH          A
141 OXYGEN SUPPLY AND DIST                  EBJ          EBB          8888888888
141 DRAIN VALVE 2 EA            47ABB       EBJA         EBJ          2
141  DUAL CHECK VALVE 3 EA      47ABC       EBJB         EBJ          2
141  QUICK DISCONNECT           47ABD       EBJC         EBJ          1
141  RECHARGE HOSE ASSY         47ABE       EBJD         EBJ          1
141  THERAPEUTIC ADAPTER        47ABH       EBJE         EBJ          2
141  ADAPTER PLUG               47ABJ       EBJF         EBJ          2
141  LINE OUTLET 145 EA         47ABK       EBJG         EBJ          0
141  QUICK DISCONNECT COUPLER   47ABL       EBJH         EBJ          0
141  PLUMBING                   47ABM       EBJJ         EBJ          1
141  REMOVEABLE MISSION KIT     47CAJ       EBJK         EBJ          1
141  LOX SIDEWALL DIST KIT      47CBD       EBJL         EBJ          1
141  LOX CENTER DIST KIT        47CCC       EBJM         EBJ          1
141 OXYGEN PRESS CONT/INDICAT               EBK          EBB          AAAAAAAAA
141  MANUAL SHUTOFF VALVE 2 EA  47ABA       EBKA         EBK          2
141  LOX WARNING LIGHT 2 EA     47ABF       EBKB         EBK          2
141  REGULATOR 2 EA             47ABG       EBKC         EBK          5
141  75 LITER QUANTITY IND 2 EA 47ACD       EBKD         EBK          1
141  WIRING                     47APN       EBKE         EBK          1
141 AIR TEMP-PRESS CONTROL                  EC           E            011111120
141 CABIN SEALED                            ECA          EC           111111111
141 CABIN SEALED                            ECA          EGA          F111111111
141  CENTER WINDSHIELD PANEL    11AAA       ECAA         ECA          1
141  FRONT WINDSHIELD PANEL     11AAB       LECAB        ECA          1
141  FRONT WINDSHIELD PANEL     11AAU       RECAB        ECA          1
141  SIDE PANEL                 11AAC       LECAC        ECA          0
141  SIDE PANEL                 11AAC       RECAC        ECA          0
141  CLEAR VISION PANEL         11AAD       LECAD        ECA          0
141  CLEAR VISION PANEL         11AAD       RECAD        ECA          0
141  CARGO AREA WINDOW          11ABA       ECAE         ECA          0
141  NLG INSPECTION WINDOW      11ABD       ECAF         ECA          0
141  NLG INSPECTION WINDOW      11ABE       ECAG         ECA          0
141  LIFE RAFT INSPECTION WIND  11ABG       ECAH         ECA          0
141  PRESS DOOR SEAL            11BKJ       ECAJ         ECA          1
141  FWD ENTRANCE DOOR SEAL     11CAC       ECAK         ECA          1
141  TROOP DOOR PRESS SEAL      11CBC       ECAL         ECA          1
141  TROOP DOOR WINDOW          11CBE       ECAM         ECA          0
141  PRESS AKHD DOOR SEAL       11CCC       ECAN         ECA          0
141  FWD ESCAPE HATCH SEAL      11CDC       ECAP         ECA          1
141  FWD CAR ESCAPE HATCH SEAL  11CED       ECAQ         ECA          1
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141  AFT CAB ESCAPE HATCH SEAL  11CFE   ECAR          ECA          1
141  CTR CAB ESCAPE HATCH SEAL  11CGC   ECAS          ECA          1
141  SIDE EXIT DOOR SEAL        11CHC   ECAT          ECA          1
141 FLIGHT STATION ENVIRON              ECH           EC             001333100
141  FLT STA GASPER VALVE ASSY  41ABU   ECHA          ECH          2
141  NAV AIR CONT VALVE ASSY    41ABT   ECHB          ECH          2
141  FLT STA GASPER CK VALVE    41ABE   ECHC          ECH          1
141  FLT STA LO A/C OUTLET      41ACJ   ECHD          ECH          5
141 FLIGHT STATION CONTROL              ECC           ECH            AAAAAAAAA
141  LO LIM SEP WATER TEMP SEN  41AAA   ECCA          ECH          A
141  LO LIM SEP WATER CONT BOX  41AAB   ECCB          ECH          A
141  PRI HEAT EXC AIR TEMP SEN  41AAC   ECCC          ECH          A
141  PRI HEAT EXC AIR TEMP CONT 41AAD   ECCD          ECH          A
141  FLT STA TEMP SENSOR BOX    41AAE   ECCE          ECH          A
141  FLT STA TEMP SENSOR        41AAF   ECCF          ECH          A
141  FLT STA TEMP ANTIC SEN DVC 41AAG   ECCG          ECH          1
141  FLT STA HI LIM AIR SEN DVC 41AAH   ECCH          ECH          1
141  PRI HEAT EXC ANTI TEMP SEN 41AAM   ECCJ          ECH          A
141  OVERHEAT RELAY             41AAQ   ECCK          ECH          3
141  FLT STA TEMP CONT SELECTOR 41AAR   ECCL          ECH          1
141  MANUAL TEMP SWITCH         41AAS   ECCM          ECH          1
141  CONTROL RELAY              41AAT   ECCN          ECH          3
141  LOW LIMIT CONTROL RELAY    41AAU   ECCP          ECH          3
141  MASTER SELECT SWITCH       41AAV   ECCQ          ECH          5
141  INDICATOR LIGHT            41AAN   ECCR          ECH          1
141  CIRCUIT BREAKER            41AAP   ECCS          ECH          2
141  WIRING                     41AAX   ECCT          ECH          1
141  PRESS REGULATOR VALVE REL  41AAW   ECCU          ECH          3
141  TEMP INDICATOR             41JAA   ECCV          ECH          1
141  TEMP BULB                  41JAB   ECCW          ECH          1
141 CARGO COMP ENVIRONMENT              ECD           EC             000000000
141  CARGO COMP CHECK VALVE 2EA 41ABD   ECDA          ECD          3
141 CARGO COMP CONTROL                  ECE           ECH            AAAAAAAAA
141  LO LIM SEP WATER TEMP SEN  41AAA   ECEA          ECE          A
141  LO LIM SEP WATER CONT BOX  41AAB   ECEB          ECE          A
141  PRI HEAT EXC AIR TEMP SEN  41AAC   ECEC          ECE          A
141  PRI HEAT EXC AIR TEMP CONT 41AAD   ECED          ECE          A
141  CARGO COMP TEMP CONT BOX   41AAJ   ECEE          ECE          A
141  CARGO COMP ANTIC DUCT TEMP 41AAK   ECEF          ECE          A
141  CARGO COMP TEMP SENSOR     41AAL   ECEG          ECE          A
141  PRI HEAT EXC ANTI TEMP SEN 41AAM   ECEH          ECE          A
141  OVERHEAT RELAY             41AAQ   ECEJ          ECE          3
141  CARGO TEMP CONT SELECTOR   41AAR   ECEK          ECE          3
141  MANUAL TEMP SWITCH         41AAS   ECEL          ECE          2
141  CONTROL RELAY              41AAT   ECEM          ECE          3
141  LOW LIMIT CONTROL RELAY    41AAU   ECEN          ECE          3
141  MASTER SELECT SWITCH       41AAV   ECEP          ECE          5
141  INDICATOR LIGHT            41AAN   ECEQ          ECE          3
141  CIRCUIT BREAKER            41AAP   ECER          ECE          2
141  WIRING                     41AAX   ECES          ECE          1
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141  PRESS REGULATOR VALVE ASY  41AFA   ECET          ECE          3
141  TEMPERATURE INDICATOR      41JAA   ECEU          ECE          2
141  TEMPERATURE BULB           41JAB   ECEV          ECE          2
141  INDICATOR                  41JBA   ECEW          ECE          2
141  SENSOR                     41JBB   ECEX          ECE          2
141  FAN                        41JFC   ECEY          ECE          3
141 CONDITIONED AIR DIST                ECF           EC             111111111
141 CONDITIONED AIR DIST                ECF           ECC            FAAAAAAAAA
141  AIR COND LO PRESS JOINT    41ACA   ECFA          ECF          2
141  EXHAUST DUCTS              41ACT   ECFAA         ECF          0
141  SEC A-C PRESS FLOW CK VAL  41ADB   ECFAB         ECF          6
141  PRI HEAT EXCHANGE IN DUCT  41ADB   ECFB          ECF          3
141  AIR COND DIVERTER VALVE    41ADC   ECFC          ECF          1
141  FLT STA ALT SHUTOFF VALVE  41ADJ   ECFD          ECF          1
141  TURBINE BYPASS VALVE 2EA   41AEA   ECFE          ECF          1
141  PRI HT EXC EXIT FAN VALVE  41AEB   ECFF          ECF          3
141  FLOW CONT SHUTOFF VALVE 2  41AEP   ECFG          ECF          2
141  CABIN TEMP CONT VALVE 2EA  41AEL   ECFJ          ECF          1
141  INSULATION BLANKET         41AES   ECFK          ECF          0
141  PRI HEAT EXCHANGE OUT DUCT 41ACC   ECFL          ECF          2
141  AIR PRESS REGULATOR VALVE  41AEM   ECFM          ECF          1
141  PRESSURE RELIEF VALVE      41AEN   ECFN          ECF          1
141  RELIEF VALVE OUTLET DUCT   41ACD   ECFP          ECF          1
141  FLEX CONT VALVE OUT DUCT   41ACE   ECFQ          ECF          1
141  FLEX CONT VALVE IN DUCT    41ACG   ECFR          ECF          1
141  ACOUSTICAL MIXING CHAMBER  41ACH   ECFS          ECF          1
141  REFRIG BY-PASS DUCT        41ACK   ECFT          ECF          1
141  A/C MUFFLER ASSY DIST      41ACL   ECFU          ECF          1
141  COUPLING                   41ACN   ECFV          ECF          1
141  BAND CLAMP                 41ACP   ECFW          ECF          0
141  FLEX DUCT CONNECTOR        41ACQ   ECFX          ECF          1
141  LEAD EDGE LDV FAIR ASSY    41ACR   ECFY          ECF          1
141  DISTRIBUTION DUCTS         41ACS   ECFZ          ECF          1
141 NORMAL CONDITIONED AIR              ECG           ECF      ECJ   111111111
141  VENT                       41AFA   ECGA          ECG          2
141  PLUG                       41AFB   ECGB          ECG          2
141  NOZZLE                     41AFC   ECGC          ECG          2
141  FAN                        41AFD   ECGD          ECG          2
141  CHAIN ASSEMBLY             41AFE   ECGE          ECG          3
141  AIR COND GROUND RECEPTACLE 41AFF   ECGF          ECG          0
141  APU-GRD CONN CHECK VALVE   41AGF   ECGG          ECG          0
141  HI PRESS GRD CHECK VALVE   41AGG   ECGH          ECG          0
141  AIR COND FLT STA LH                ECH           ECG            111111111
141    AIR CYCLE REFRIG ASSY    41ADA   ECHA          ECH          A
141    PRI HEAT EXCHANGER       41ADB   ECHB          ECH          A
141    SEC HEAT EXCHANGER       41ADC   ECHC          ECH          A
141    TURBINE AND FAN ASSY     41ADD   ECHD          ECH          A
141    INSULATION BLANKET       41ADE   ECHE          ECH          1
141    DIP STICK                41ADF   ECHF          ECH          0
141    THERMOSTATIC SWITCH      41ADG   ECHG          ECH          5
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141   WIRING                          41ADH   ECHH            ECH          1
141   RAMP AND LOUVER ASSY            41ADJ   ECHJ            ECH          5
141   AIR COND WATER SEPERATOR        41AEA   ECHK            ECH          A
141   COALESCER CONE                  41AEB   ECHL            ECH          5
141   BY-PASS VALVE                   41AEC   ECHM            ECH          3
141   SEPERATOR COAL DRAIN BAG        41AED   ECHN            ECH          2
141   PRI HT EXC EJECT BLEED          41A8K   ECHP            ECH          1
141 RAM AIR VENTILATION               41AEJ   ECJ             ECF    K ECG   AAAAAAAAA
141 AIR COND CARGO COMP RH            41AEK   ECK             ECG          111111111
141   AIR CYCLE REFRIG ASSY           41AEA   ECKA            ECK          A
141   PRI HEAT EXCHANGER              41AEB   ECKB            ECK          A
141   SEC HEAT EXCHANGER              41AEC   ECKC            ECK          A
141   TURBINE AND FAN ASSY            41AED   ECKD            ECK          A
141   INSULATION BLANKET              41AEE   ECKE            ECK          1
141   DIP STICK                       41AEF   ECKF            ECK          0
141   THERMOSTATIC SWITCH             41AEG   ECKG            ECK          5
141   WIRING                          41AEH   ECKH            ECK          1
141   RAMP AND LOUVER ASSY            41AEJ   ECKJ            ECK          5
141   AIR COND WATER SEPERATOR        41AEA   ECKK            ECK          A
141   COALESCER CONE                  41AEB   ECKL            ECK          5
141   BY-PASS VALVE                   41AEC   ECKM            ECK          3
141   SEPERATOR COAL DRAIN BAG        41AED   ECKN            ECK          2
141   PRI HT EXC EJECT BLEED          41AEK   ECKP            ECK          1
141 RAM AIR                           41AEJ   ECL             ECG          FAAAAAAAAA
141 RAM AIR                           41AEJ   ECL             ECJ          AAAAAAAAA
141   RAM AIR VENT SHUT-OFF VAL       41AEH   ECLA            ECL          5
141 CARGO FLOOR HEAT DIST             41AEK   ECM             EC           000000000
141   CARGO FL HT MODULATE VALVE      41EBA   ECMA            ECM          A
141   SHUT OFF VALVE                  41EBB   ECMB            ECM          5
141   INSULATION BLANKET              41EBC   ECMC            ECM          0
141   WIRING                          41EBD   ECMD            ECM          0
141   EJECTOR DUCT                    41EBA   ECME            ECM          3
141   FLANGED DUCT                    41EBB   ECMF            ECM          2
141   SUPPLY DUCT                     41EBC   ECMG            ECM          2
141   CLAMP COUPLING                  41EBD   ECMH            ECM          1
141   CONNECTOR SLEEVE                41EBE   ECMJ            ECM          1
141   INSULATION BLANKET              41EBF   ECMK            ECM          1
141   DISTRIBUTION DUCT               41EBG   ECML            ECM          2
141   WIRING                          41EBH   ECMM            ECM          1
141 CABIN PRESS CONTROL               41EBJ   ECN             EC           000111000
141   PLUMBING                        41CAK   ECNA            ECN          1
141   JET PUMP PRESS REGULATOR        41CAC   ECNB            ECN          5
141   CABIN PRESS CONT VENTURI        41CAD   ECNC            ECN          3
141   CABIN PRESS CONTROL FAN         41CAE   ECND            ECN          5
141   OUTFLOW SAFETY VALVE 2 EA       41CBA   ECNE            ECN          1
141   JET PUMP SUPPLY CK VALVE        41CBC   ECNF            ECN          1
141   NEG PRESS RELIEF VALVE 2EA      41CBD   ECNG            ECN          1
141   TEST VALVE                      41CBE   ECNH            ECN          1
141   INSULATION BLANKET              41CBF   ECNJ            ECN          0
141   WIRING                          41CBG   ECNK            ECN          1
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141  JET PUMP INLET DUCT          41ACE    ECNL              ECN          1
141  JET PUMP ASSEMBLY            41ACM    ECNM              ECN          5
141 EMERG DEPRESSURIZATION                  ECP               EC     K ECN    000151000
141  EMERG DEPRESS SOL VALVE 2 EA 41CAB    ECPA              ECP          1
141  CABIN PRESS DUMP RELAY 2EA41CAG    ECPB              ECP          1
141 AUTO PRESS CONTROL                      ECQ               ECN     ECR  111111111
141  AUTOMATIC PRESS CONTROLLER41CAA    ECQA              ECQ          A
141  LO PRESS CABIN LT SW         41CAH    ECQB              ECQ          5
141  RATE OF CLIMB INDICATOR      41JCA    ECQC              ECQ          1
141  DIFFENTIAL PRESS INDICAT     41JDA    ECQD              ECQ          1
141 MANUAL PRESS CONTROL                    ECR               ECN     K ECQ    AAAAAAAAA
141  MANUAL PRESS CONTROLLER      41CAG    ECRA              ECR          A
141  EMERGENCY PRESS SW 2 EA      41CAF    ECRB              ECR          1
141 CARGO HEAT CONTROL                      ECS               ECM          AAAAAAAAA
141  CAR FL HT TEMP CONT SENSOR41EAA    ECSA              ECS          A
141  TEMP CONTROL ANTIC SENSOR 41EAG    ECSB              ECS          A
141  FLOOR HEAT SWITCH            41BAC    ECSC              ECS          5
141 FLOOR OVERHEAT RELAY         41BAD    ECSD              ECS          3
141 WIRING                       41BAF    ECSE              ECS          1
141 NORMAL DEPRESS CONTROL                  ECT               ECP     ECQ  111111111
141  CABIN ALT LIMIT OVRD SW      41CAJ    ECTA              ECT          3
141  WIRING                       41CAL    ECTB              ECT          1
141  MASTER SELECT SW             41AAV    ECTC              ECT          5
141 ABNORMAL DEPRESS CONTROL                ECU               ECP     K ECT    AAAAAAAAA
141  EMERG DEPRESS HANDLE         99414    ECUA              ECU          A
141  FWD ESCAPE HATCH LATCH       11CDH    ECUB              ECU          A
141  AFT CARGO ESCAPE LATCH       11CFG    ECUC              ECU          A
141 UNDERFLOOR OVERHEAT SENSC               ECV               ECS          111111111
141  CONTROL UNIT                 49CBA    ECVBA             ECV          A
141  SENSING ELEMENT              49CB3    ECVB3             ECV          A
141  RELAY-CARGO FLR OVHT TEST    49CBC    ECVBC             ECV          1
141  RELAY,OVRHT CONTROL          49CBD    ECVBD             ECV          A
141  RELAY OVRHT CUTOUT           49CBE    ECVBE             ECV          1
141  SWITCH, OVERHEAT             49CBF    ECVBF             ECV          A
141  RECTIFIER                    49CBG    ECVBG             ECV          A
141  CONNECTORS                   49CBH    ECVBH             ECV          1
141  INTER CONNECTORS             49CBJ    ECVBJ             ECV          1
141  TERM BUSHINGS                49CBK    ECVBK             ECV          0
141  WIRING                       49CBL    ECVBL             ECV          1
141 WINDSHIELD CLEAR                        ED                EDP          111111111
141 RAIN REMOVAL                            EDA               ED      G    111111111
141 AIR SUPPLY AND DISTRIBUTION             EDB               EDA          AAAAAAAAA
141  NOZZLE ASSEMBLY 2 EA         41FCA    EDBA              EDB          1
141  RAIN REMOVAL DUCT            41FCB    EDBB              EDB          1
141  CLAMP                        41FCC    EDBC              EDB          1
141  INSULATION BLANKET           41FCD    EDBD              EDB          0
141  DUCT CONNECTOR               41FCE    EDBE              EDB          1
141  WIRING                       41FCF    EDBF              EDB          1
141  PRESS REG/SHUT VALVE 2 EA    41FBA    EDBG              EDB          1
141  SHUTOFF VALVE 2 EA           41FBB    EDBH              EDB          1
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141  CHECK VALVE 2 EA              41EFC   EDEJ          EDB          1
141  WIRING                        41EGE   EDFK          EDB          1
141 RAIN REMOVAL CONTROL                   EDC           EDA            AAAAAAAAA
141  RELAY OVHT CONTROL 2 EA       41EAA   EDCA          EDC          5
141  CONTROL SWITCH                41EAB   EDCB          EDC          5
141  OVRHT LT INDICT CONT 2 EA     41EAC   EDCC          EDC          3
141  RECTIFIER 3 EA                41EAD   EDCD          EDC          2
141  CIRCUIT BREAKER 5 EA          41EAE   EDCE          EDC          2
141  WIRING                        41EAF   EDCF          EDC          1
141 RAIN REPELLANT                         EDD           ED     G       111111111
141 RAIN REPELLANT CONTROL                 EDE           EDD            AAAAAAAAA
141  TOGGLE SWITCH                 41HAA   EDEA          EDE          A
141  PRESSURE SWITCH               41HAB   EDEB          EDE          A
141  PULSE GENERATOR 2 EA          41EAC   EDEC          EDE          2
141  COMPRESSOR RELAY              41EAE   EDED          EDE          A
141 SUPPLY AND DISTRIBUTION                EDF           EDD            AAAAAAAAA
141  SIGHT GAUGE                   41HCB   EDFA          EDF          0
141  FILLER CAP                    41HCC   EDFB          EDF          1
141  PLUMBING                      41HCD   EDFC          EDF          5
141  SOLENOID VALVE 2 EA           41HBE   EDFD          EDF          5
141  RESERVOIR PRESSURE VALVE      41HBD   EDFE          EDF          5
141  PURGE CHECK VALVE             41HBC   EDFF          EDF          1
141  DRAIN VALVE                   41HFB   EDFG          EDF          2
141  MANUAL SHUTOFF VALVE          41HBA   EDFH          EDF          1
141  COMPRESSOR ASSY               41H4D   EDFJ          EDF          A
141  RESERVOIR                     41HCA   EDFK          EDF          6
141 ANTI-ICING AND DEFOG                   EDG           EC     Y       011111120
141ANTI ICE AND DEFOG                      EDG           ED           F111111111
141  HI-VOLT HEAT RELAY 3EA        41EDA   EDGA          EDG          1
141  TRANSFORMER 3EA               41EDC   EDGB          EDG          1
141  CIRCUIT BREAKER 6EA           41EDD   EDGC          EDG          1
141  WIRING                        41EDE   EDGD          EDG          1
141  SIDE WINDSHIELD HT RELAY 241EEB       EDGE          EDG          0
141  TRANSFORMER 2EA               41EEC   EDGF          EDG          0
141  PRIMARY SENSOR 4EA            41EED   EDGG          EDG          1
141  SPARE SENSOR                  41EEF   EDGH          EDG          0
141  WIRING                        41EEG   EDGJ          EDG          1
141  CONTROL                                EDH           EDG            AAAAAAAAA
141  CONTROL BOX 3EA               41EDB   EDHA          EDH          1
141  CONTROL BOX 2EA               41EEA   EDHB          EDH          0
141  CLEAR VISION SWITCH 2EA       41EEF   EDHC          EDH          0
141BLEED AIR DISTRIBUTION                  EDJ           ECG            AAAAAAAAA
141 BLEED AIR DISTRIBUTION                 EDJ           ECM            FAAAAAAAAA
141BLEED AIR DISTRIBUTION                  EDJ           EDB            FAAAAAAAAA
141BLEED AIR DISTRIBUTION                  EDJ           EFB            FAAAAAAAAA
141  PYLON SHUT-OFF VALVE 4EA      41CBA   EDJA          EDJ          2
141  CHECK VALVE                   41DAB   EDJB          EDJ          2
141  WING ISOLATION VALVE          41DBC   EDJC          EDJ          5
141  RELIEF VALVE                  41CBD   EDJD          EDJ          3
141  WATER DRAIN VALVE             41D6F   EDJE          EDJ          1
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141  INSULATION BLANKET          41DDG   EDJF          EDJ          1
141  CLAMP                       41DDA   EDJG          EDJ          1
141  JOINT DUCT COVER            41DDB   EDJH          EDJ          1
141  BLEED AIR DUCT ASSY         41DDC   EDJJ          EDJ          1
141  AFT PYLON DUCT ASSY         41DDD   EDJK          EDJ          1
141  FWD PYLON DUCT ASSY         41DDE   EDJL          EDJ          1
141  COMPENSATOR DUCT ASSY       41DDF   EDJM          EDJ          1
141  FLOW LIN VENTURI DUCT       41DDJ   EDJN          EDJ          1
141  COMPENSATOR                 41DDK   EDJP          EDJ          1
141  INTERNAL-JOINT TIE-ROD      41DDL   EDJQ          EDJ          1
141  INSULATION BLANKET          41DDM   EDJR          EDJ          1
141 APU BLEED AIR                        EDK           EDJ            0000000000
141  APU SUPPLY DUCT             41DDG   EDKA          EDK          1
141 GROUND BLEED AIR                     EDL           EDJ            0000000000
141  GND START CONNECTOR DUCT    41DDH   EDLA          EDL          1
141 ENGINE BLEED AIR                     EDM           EDJ            AAAAAAAAAA
141  ENGINE TO PYLON CLAMP       41DDN   EDMA          EDM          1
141 BLEED AIR CONTROL                    EDN           EDJ            AAAAAAAAAA
141  BLEED AIR SWITCH            41DAA   EDNA          EDN          5
141  RELAY                       41DAB   EDNB          EDN          3
141  SYSTEM SHUT-OFF SWITCH      41DAC   EDNC          EDN          A
141  WIRING                      41DAD   EDND          EDN          1
141  MANIFOLD PRESS IND          41JEA   EDNE          EDN          1
141  MANIFOLD PRESS XTMR         41JEB   EDNF          EDN          1
141  DUAL PRESSURE INDICATOR     41JFA   EDNG          EDN          1
141  PRESSURE XTMR 2EA           41JFB   EDNH          EDN          1
141 WINDSHIELD CLEAR ATTENUATOR          EDP           E              0100000020
141 COOLING AIR                          EEA           DAFB           111111111
141 EQUIPMENT COOLING                    EEA           LUKB           111111111
141 EQUIPMENT COOLING                    EEA           RUKB           111111111
141 EQUIPMENT COOLING                    EEA           LUKE           111111111
141 EQUIPMENT COOLING                    EEA           RUKE           111111111
141 EQUIPMENT COOLING                    EEA           LUKJ           111111111
141 EQUIPMENT COOLING                    EEA           RUKJ           111111111
141  COOLING FAN 2EA             41GBA   EEAA          EEA          2
141  CONTROL RELAY               41GBB   EEAB          EEA          3
141  CURRENT SENSING RELAY 2EA   41GBC   EEAC          EEA          3
141  FLOW CONTROL VALVE          41GBD   EEAD          EEA          3
141  CHECK VALVE                 41GBE   EEAE          EEA          2
141  DUCT                        41GBF   EEAF          EEA          1
141  COOLING FAN EXIT SLEEVE 2L  41GBG   EEAG          EEA          0
141  CLAMP                       41GBH   EEAH          EEA          0
141  WIRING                      41GBJ   EEAJ          EEA          1
141  CIRCUIT BREAKER COOLING             EEB           E              0000000000
141  ELECTRICAL COOLING FAN 2EA  41GAA   EEBA          EEB          2
141  CONTROL RELAY               41GAB   EEBB          EEB          3
141  CURRENT SENSING RELAY 2EA   41GAC   EEBC          EEB          3
141  DUCT                        41GAD   EEBD          EEB          1
141  WIRING                      41GAE   EEBE          EEB          1
141  EQUIP AIR DIST                      EEC           EEA            AAAAAAAAAA
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CCDDDDDCC111111111122222222233333333444444444455555555566666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141  EQUIP AIR DIST                          EFC          EFB                AAAAAAAAA
141  ANTI-ICING DE-ICING                     EF           F        A         000112220
141  WING ANTI-ICING                         EFA          EF                 111111111
141  WING ANTI-ICING DIST                    EFF          EFA                AAAAAAAAA
141  ANTI-ICE MOD VALVE GEA        41EBA     EFBA         EFB          1
141  TEMP CONTROL SENSOR GEA       41EBB     EFBB         EFB          1
141  EJECTOR                       41EBC     EFBC         EFB          1
141  OVERHEAT SWITCH GEA           41EBD     EFBD         EFB          1
141  DUCT                          41EBE     EFBE         EFB          C
141  DIFFUSER GEA                  41EBF     EFBF         EFB          1
141  ELBOW                         41EBG     EFBG         EFB          1
141  CLAMP                         41EBH     EFBH         EFB          0
141  INSULATION BLANKET            41EBJ     EFBJ         EFB          0
141  WIRING                        41EBK     EFBK         EFB          1
141  ICE DETECTION                           EFC          EFF                111111111
141   ICE DETECTOR                 41EAA     EFCA         EFC          8
141   CONTROL SWITCH               41EAB     EFCB         EFC          A
141   WIRING                       41EAC     EFCC         EFC          1
141  EMPENNAGE DE-ICING                      EFD          EF                 111111111
141   LEAD EDGE HEATER ASSY GEA    41ECB     EFDA         EFD          1
141   RELAY                        41ECC     EFDB         EFD          1
141   THERMO SWITCH                41ECD     EFDC         EFD          1
141  DE-ICING CONTROL                        EFE          EFF                111111111
141   CONTROLLER                   41ECA     EFEA         EFE          A
141   TEMPERATURE CONTROLLER       41ECE     EFEB         EFE          A
141   WIRING                       41ECF     EFEC         EFE          1
141  PILOT ACTION                            EFF          FF                 AAAAAAAAA
141  OVERHEAT DETECTION                      EFG          FF                 222222222
141   CONTROL UNIT                 49CAA     EFGAA        EFG          A
141   SENSING ELEMENT              49CAB     EFGAB        EFG          A
141   SWITCH-WING ANTIICE OVHT     49CAC     EFGAC        EFG          A
141   RELAY,OVERHEAT CONTROL       49CAD     EFGAD        EFG          A
141   RELAY,TEST                   49CAE     EFGAE        EFG          1
141   RECTIFIER                    49CAF     EFGAF        EFG          A
141   CONNECTORS                   49CAG     EFGAG        EFG          1
141   INTER CONNECTORS             49CAH     EFGAH        EFG          1
141   TEFLON BUSHINGS              49CAJ     EFGAJ        EFG          C
141   WIRING                       49CAK     EFGAK        EFG          1
141  DOOR OPEN WARNING                       EGA          DOBA                FAAAAAAAAA
141  DOOR OPEN WARNING                       EGA          EC       I EGA      111111111
141  RAMP NOT LOCKED                         EGAA         EGA                 000111000
141   LIGHT ASSY WARNING           49EFE     EGAAA        EGAA         A
141   LIMIT SWITCHES 34<           11BCB     EGAAB        EGAA         2
141   BYPASS SWITCH                49EFA     EGAAC        EGAA         0
141   RECTIFIER                    49EFC     EGAAD        EGAA         A
141  PETAL DOOR WARNING                      EGAB         EGA                 000000000
141   LIGHT ASSY WARNING           49EFE     EGABA        EGAB         A
141   LIMIT SWITCHES34<            11BFA     EGABB        EGAB         2
141   BYPASS SWITCH                49EFA     EGABC        EGAB         0
141   RECTIFIER                    49EFC     EGABD        EGAB         A
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141	PRESSURE DOOR WARNING		EGAC	EGA	000111000
141	LIGHT ASSY WARNING	49EFE	EGACA	EGAC	A
141	LIMIT SWITCHES (2<	11EMA	EGACB	EGAC	2
141	BYPASS SWITCH	49EFA	EGACC	EGAC	0
141	RECTIFIER	49EFC	EGACD	EGAC	A
141	STAB ACCESS DOOR WARNING		EGAD	EGA	000111000
141	LIGHT ASSY WARNING	49EFE	EGADA	EGAD	A
141	LIMIT SWITCH	11DCN	EGADB	EGAD	A
141	BYPASS SWITCH	49EFA	EGADC	EGAD	0
141	RECTIFIER	49EFC	EGADD	EGAD	A
141	TROOP DOORS WARNING		LEGAE	EGA	000111000
141	TROOP DOORS WARNING		REGAE	EGA	000111000
141	BYPASS SWITCH	49EFA	LEGAEA	LEGAE	0
141	BYPASS SWITCH	49EFA	REGAEA	REGAE	0
141	RECTIFIER	49EFC	LEGAEC	LEGAE	A
141	RECTIFIER	49EFC	REGAEC	REGAE	A
141	LIGHT ASSY WARNING	49EFE	LEGAEE	LEGAE	A
141	LIGHT ASSY WARNING	49EFE	REGAEE	REGAE	A
141	LIMIT SWITCH	11CFT	LEGAET	LEGAE	A
141	LIMIT SWITCH	11CBT	REGAET	REGAE	A
141	CREW DOOR WARNING		EGAF	EGA	000111000
141	LIGHT ASSY WARNING	49EFE	EGAFA	EGAF	A
141	LIMIT SWITCH	9949A	EGAFB	EGAF	A
141	BYPASS SWITCH	49EFA	EGAFC	EGAF	0
141	RECTIFIER	49EFC	EGAFD	EGAF	A
141	RESISTOR-DIMMING	49EFB	EGAV	EGA	0
141	WIRING	49EFF	EGAW	EGA	1
141	RELAY DIMMING	49EFD	EGAX	EGA	0
141	MASTER CAUTION LIGHT(2EA<	44E03	EGAY	EGA	1
141	DOOR OPEN ARMIN LIGHT	44BBC	EGAZ	EGA	1
141	FLIGHT CONTROLS		F		AAAAAAAAA
141	LIFT AUGMENTATION		FA	F	000000010
141	LEFT FLAPS		LFAA	FA	AAAAAAAAA
141	LEFT FLAPS		LFAA	FAN	FAAAAAAAAA
141	RIGHT FLAPS		RFAA	FA	AAAAAAAAA
141	RIGHT FLAPS		RFAA	FAN	FAAAAAAAAA
141	FLAP CARRIAGES (9 EA<	14GAA	LFAAAA	LFAA	2
141	FLAP CARRIAGES (9 EA<	14GAA	RFAAAA	RFAA	2
141	CARRIAGE ROLLER (9 SETS<	14GAB	LFAAAB	LFAA	1
141	CARRIAGE ROLLER (9 SETS<	14GAB	RFAAAB	RFAA	1
141	CARTRIDGE CNTRBALANCE	14GAC	LFAAAC	LFAA	1
141	CARTRIDGE CNTRBALANCE	14GAC	RFAAAC	RFAA	1
141	SEAL ASSY	14GAD	LFAAAD	LFAA	0
141	SEAL ASSY	14GAD	RFAAAD	RFAA	0
141	FAIR ASSY CARRIAGE	14GAE	LFAAAE	LFAA	0
141	FAIR ASSY CARRIAGE	14GAE	RFAAAE	RFAA	0
141	SKIN	14GAF	LFAAAF	LFAA	1
141	SKIN	14GAF	RFAAAF	RFAA	1
141	PANEL LOWER SURFACE	14GAG	LFAAAG	LFAA	1
141	PANEL LOWER SURFACE	14GAG	RFAAAG	RFAA	1

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000000000111111111122222222223333333334444444445555555556666666667777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 TRAILING EDGE                14GAH  LFAAAH          LFAA          G
141 TRAILING EDGE                14GAH  RFAAAH          RFAA          G
141 INBOARD SECTION              14GAJ  LFAAAJ          LFAA          1
141 INBOARD SECTION              14GAJ  RFAAAJ          RFAA          1
141 OUTBOARD SECTION             14GAK  LFAAAK          LFAA          1
141 OUTBOARD SECTION             14GAK  RFAAAK          RFAA          1
141 LEFT OUTBOARD POSITIONING           LFAB            LFAA            AAAAAAAAA
141 RIGHT OUTBOARD POSITIONING          RFAB            RFAA            AAAAAAAAA
141 FLAP ACTUATOR JACKSCREW 2    14GBE  LFABBE          LFAB          A
141 FLAP ACTUATOR JACKSCREW 2    14GBE  RFABBE          RFAB          A
141 YOKE FLAP ACTUATOR   2       14GBQ  LFABBQ          LFAB          A
141 YOKE.FLAP ACTUATOR 2         14GBQ  RFABBQ          RFAB          A
141 ACTUATOR GEAR BOX    2       9914S  LFABZA          LFAB          A
141 ACTUATOR GEAR BOX  2         9914S  RFABZA          RFAB          A
141 LEFT INBOARD POSITIONING            LFAC            LFAA            AAAAAAAAA
141 RIGHT INBOARD POSITIONING           RFAC            RFAA            AAAAAAAAA
141 FLAP ACTUATOR JACKSCREW 2    14GBE  LFACBE          LFAC          A
141 FLAP ACTUATOR JACKSCREW 2    14GBE  RFACBE          RFAC          A
141 YOKE FLAP ACTUATOR 2         14GBQ  LFACBQ          LFAC          A
141 YOKE.FLAP ACTUATOR 2         14GBQ  RFACBQ          RFAC          A
141 ACTUATOR GEAR BOX 2          9914S  LFACZA          LFAC          A
141 ACTUATOR GEAR BOX 2          9914S  RFACZA          RFAC          A
141 TORQUE DRIVE                        FAD             FA              SAAAAAAAAA
141 TORQUE DRIVE                        FAD             LFAB            FAAAAAAAAA
141 TORQUE DRIVE                        FAD             RFAB            FAAAAAAAAA
141 TORQUE DRIVE                        FAD             LFAC            FAAAAAAAAA
141 TORQUE DRIVE                        FAD             RFAC            FAAAAAAAAA
141 LEFT WING TORQUE TUBES       14GBL  LFAUBD          FAD           A
141 RIGHT WING TORQUE TUBES      14GBD  RFAUBD          FAD           A
141 UNIVERSAL COUPLING           14GBH  FADBH           FAD           A
141 BEARING ASSY                 14GBJ  FADBJ           FAD           1
141 ADAPTER ASSY                 14GBK  FADBK           FAD           1
141 GEAR BOX DRIVE ASSY          14GBL  FADBL           FAD           A
141 TORQUE TUBE DRIVER NO.1             FAE             FAD             111111111
141 SHAFT-OUTPUT                 14GBM  FAEBM           FAE           A
141 HYDRAULIC MOTOR              14GCB  FAECB           FAE           A
141 FLOW REGULATOR               14GCF  FAECF           FAE           1
141 TORQUE TUBE DRIVER NO.2             FAF             FAD             111111111
141 SHAFT-OUTPUT                 14GBM  FAFBM           FAF           A
141 HYDRAULIC MOTOR              14GCB  FAFCB           FAF           A
141 FLOW REGULATOR               14GCF  FAFCF           FAF           1
141 SERVO POSITIONING                   FAG             FAD             SAAAAAAAAA
141 SERVO POSITIONING                   FAG             FAE             FAAAAAAAAA
141 SERVO POSITIONING                   FAG             FAF             FAAAAAAAAA
141 PRESSURE SEAL ASSY           14GBG  FAGBG           FAG           1
141 FLAP GEAR BOX.MOTOR CNTRL    14GCA  FAGCA           FAG           A
141 VALVE.MOTOR CONTROL          14GCC  FAGCC           FAG           A
141 VALVE.MANUAL SHUTOFF         14GCE  FAGCE           FAG           1
141 PLUMBING                     14GCG  FAGCG           FAG           1
141 MOTION TRANSMISSION                 FAH             FAG             999999999
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1234567890123456789012345678901234567890123456789012345678901234567890123456789
141FARMERS                          14CAG    FCAAG          FCA          1
141ACCESS DOOR                      14CAJ    FCAAJ          FCA          1
141TRAILING EDGE FIBRE GLASS        14CAM    FCAAM          FCA          1
141HINGE PLATE                      14CAN    FCAAN          FCA          1
141HINGE PLATE PIN                  14CAP    FCAAP          FCA          1
141RUDDER POSITIONING                        FCH            FCA            AAAAAAAAA
141MANUAL MODE                               FCLA           FCB     K FCC  AAAAAAAAA
141HINGE                            14CAF    FCHAF          FCB          1
141TORQUE TUBE                      14CAH    FCBAH          FCB          1
141BEARING                          14CAK    FCBAK          FCB          1
141BEARING RETAINER                 14CAL    FCBAL          FCB          1
141HYDRAULIC ACTUATION                       FCC            FCB      FCBA  111111111
141 HYDRAULIC ACTUATION                      FCC            FCCB           FAAAAAAAAA
141POWER CONTROL SYSTEM NO.1                 FCCA           FCC            111111111
141 POWER CONTROL SYS NO.1                   FCCA           FCCC           FAAAAAAAAA
141SYSTEM 1 SHUTOFF VALVE           14CCF    FCCACF         FCCA         A
141SYSTEM 1 VALVE,PRESS LIMIT       14CCG    FCCACG         FCCA         1
141SYSTEM 1 FILTER                  14CCH    FCCACH         FCCA         1
141SYSTEM 1 FILTER ELEMENT          14CCJ    FCCACJ         FCCA         1
141SYSTEM 1 BY-PASS VALVE           14CCK    FCCACK         FCCA         A
141HYD SYSTEM NO.1 PLUMBING         14CCN    FCCACN         FCCA         1
141RELAY PRESSURE LIMIT SYS 1       14CCA    FCCADA         FCCA         1
141 SYSTEM 1 ELEC WIRING            14CCE    FCCADE         FCCA         1
141SYSTEM 1 ACTUATOR,LINEAR         14CDF    FCCADF         FCCA         A
141POWER CONTROL SYSTEM NO.2                 FCCB           FCC            111111111
141 POWER CONTROL SYS NO.2                   FCCB           FCCD           FAAAAAAAAA
141SYSTEM 2 SHUTOFF VALVE           14CCF    FCCBCF         FCCB         A
141SYSTEM 2 VALVE,PRESS LIMIT       14CCG    FCCBCG         FCCB         1
141SYSTEM 2 FILTER                  14CCH    FCCBCH         FCCB         1
141SYSTEM 2 FILTER ELEMENT          14CCJ    FCCBCJ         FCCB         1
141SYSTEM 2 BY-PASS VALVE           14CCK    FCCBCK         FCCB         A
141HYD SYSTEM NO.2 PLUMBING         14CCN    FCCBCN         FCCB         1
141RELAY PRESSURE LIMIT SYS 2       14CCA    FCCBDA         FCCB         1
141 SYSTEM 2 ELEC WIRING            14CDE    FCCBDE         FCCB         1
141SYSTEM 2 ACTUATOR,LINEAR         14CDF    FCCBDF         FCCB         A
141 RUDDER SYSTEM 1 PWR IND                  FCCC           FCL            111111111
141POWER UNIT ASSY                  14CCA    FCCCA          FCC          8
141POWER UNIT CYLINDER              14CCB    FCCCB          FCC          A
141  CONTROL UNIT                   44BBA    FCCCBA         FCCC         1
141  LIGHT ASSY MASTER CAUTION      44BBB    FCCCBB         FCCC         1
141 PWR LIGHT                       44B8C    FCCCBC         FCCC         1
141POWER UNIT CONTROL VALVE         14CCC    FCCCC          FCC          A
141PRESSURE SWITCH SYS 1            14CCB    FCCCDB         FCCC         A
141 RECTIFIER,SYSTEM 1              14CDC    FCCCDC         FCCC         1
141CLAMPS                           14CCE    FCCCE          FCC          1
141 OFF LIGHT                       99914G   FCCCG          FCCC         1
141EMERGENCY PWR UNIT CYLINDER      14CCL    FCCCL          FCC          0
141 RUDDER SYSTEM 2 PWR IND                  FCCD           FCL            111111111
141  CONTROL UNIT                   44BBA    FCCDBA         FCCD         1
141  LIGHT ASSY MASTER CAUTION      44BBB    FCCDBB         FCCD         1
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C0C0000011111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 PWR LIGHT                          44B6C   FCCDAC          FCCD          1
141PRESSURE SWITCH SYS 2               14CDB   FCCDDB          FCCE          A
141 RECTIFIER,SYSTEM 2                 14CDC   FCCDDC          FCCD          1
141 OFF LIGHT                          99146   FCCDG           FCCD          1
141 RUDDER OVERPRESSURE                        FCCE            FCM             11111111
141  CONTROL UNIT                      44BAA   FCCEBA          FCCE          1
141  LIGHT ASSY MASTER CAUTION         44BAB   FCCEB3          FCCF          1
141 INDICATOR LIGHT                    44BEC   FCCEBC          FCCE          A
141 HIGH PRESSURE LIGHT                99146   FCCEG           FCCE          1
141 HIGH PRESSURE LIGHT                99146   FCCEGA          FCCE          1
141 HYDRAULIC FLOW CONTROL                     FCD             FCC             AAAAAAAAA
141NORMAL MODE                                 FCDA            FCD             0A000000A0
141 SERVO CONTROL SWITCH               99148   FCDAR           FCDA          A
141 DAMPER                             14CCD   FCDCD           FCD           1
141MOTION TRANSMISSION                         FCE             FCB             5AAAAAAAAA
141MOTION TRANSMISSION                         FCE             FCBA            FAAAAAAAAA
141MOTION TRANSMISSION                         FCE             FCDA            FAAAAAAAAA
141MOTION TRANSMISSION                         FCE             FCJ             FAAAAAAAAA
141RUDDER PEDAL LINKAGE 2 EACH         14CBF   FCEBB           FCE           1
141TENSION REGULATOR 2 EACH            14CBC   FCEBC           FCE           1
141PUSHROD TENSION REGULATOR 2E        14CBD   FCEBD           FCE           1
141INPUT QUADRANT ASSY                 14CBE   FCEBE           FCE           A
141PUSHROD                             14CBG   FCEBG           FCE           A
141LEFT SIDE RUDDER CABLE RLA          14CBJ   FCEBJ           FCE           1
141LEFT SIDE RUDDER CABLE RLB          14CBJ   FCEBJA          FCE           1
141RIGHT SIDE RUDDER CABLE RFA         14CBJ   FCEBJB          FCE           1
141RIGHT SIDE RUDDER CABLE RFB         14CBJ   FCEBJC          FCE           1
141PULLEYS 64                          14CBK   FCEBK           FCE           1
141FAIRLEAD ROLLER ASSY                14CBL   FCEBL           FCE           0
141BALL END BEARING                    14CBQ   FCEBQ           FCE           1
141CABLE LOCKCLAD                      14CBR   FCEBR           FCE           1
141RUDDER TRIM                                 FCF             FCB             0000000000
141RUDDER TRIM                                 FCF             FCH             FAAAAAAAAA
141TRIM ACTUATOR                       14DAA   FCFAA           FCF           A
141CONTROL SWITCH                      14DAB   FCFAB           FCF           A
141CIRCUIT BREAKER                     14DAC   FCFAC           FCF           A
141 WIRING,RUDDER TRIM                 14DAD   FCFAD           FCF           1
141MOTION INITIATE                             FCG             FCE             AAAAAAAAA
141PEDAL ASSY,RUDDER 2 EACH            14CHA   FCGHA           FCG           1
141CRANK ASSY,PEDAL ADJ                14CBH   FCGBH           FCG           0
141SCREW ASSY PEDAL ADJ                14CBM   FCGBM           FCG           0
141CHAIN ASSY,RUDDER                   14CBN   FCGBN           FCG           0
141TORQUE TUBE,PEDAL ADJUST            14CBP   FCGBP           FCG           0
141TRIM POSITION INDICATE                      FCH             FCF             111111111
141INDICATOR                           14DFA   FCHBA           FCH           A
141Feel FORCE                                  FCJ             FCG             111111111
141SPRING,ARTIFICIAL FEEL              14CBE   FCJBE           FCJ           A
141 PILOT ACTION                               FCL             FCBA            AAAAAAAAA
141 LOAD CONTROL                               FCM             FCC             111111111
141 LOAD LIMIT CONTROL VLV 2EA         14CCM   FCMCM           FCM           8
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00000000111111111122222222233333333444444444555555556666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901
141 PITCH CONTROL                          FD                  F          CAAAAAAAC
141 ELEVATORS                              FDA                 FD         0AAAAAAA0
141 TORQUE TUBE                 14EAA      FDAAAA              FDA          4
141 TORQUE TUBE                 14EAA      RFDAAA              FDA          4
141 HINGE BEA                   14EAB      LFDAAB              FDA          1
141 HINGE BEA                   14EAB      RFDAAB              FDA          1
141 BUSHING BEA                 14EAC      LFDAAC              FDA          1
141 BUSHING BEA                 14EAC      RFDAAC              FDA          1
141 SIDE BRACE                  14EAD      LFDAAD              FDA          1
141 SIDE BRACE                  14EAD      RFDAAD              FDA          1
141 TIP ASSY                    14EAE      LFDAAE              FDA          0
141 TIP ASSY                    14EAE      RFDAAE              FDA          0
141 NOSE CAP ASSY               14EAF      FDAAF               FDA          0
141 BALANCE WEIGHTS             14EAG      LFDAAG              FDA          0
141 BALANCE WEIGHTS             14EAG      RFDAAG              FDA          0
141 SKIN                        14EAH      LFDAAH              FDA          0
141 SKIN                        14EAH      RFDAAH              FDA          0
141 DOOR ACCESS                 14EAJ      LFDAAJ              FDA          0
141 DOOR ACCESS                 14EAJ      RFDAAJ              FDA          0
141 TRAILING EDGE HONEYCOMB     14EAK      LFDAAK              FDA          0
141 TRAILING EDGE HONEYCOMB     14EAK      RFDAAK              FDA          0
141 LEADING EDGE OUTBOARD       14EAL      LFDAAL              FDA          0
141 LEADING EDGE OUTBOARD       14EAL      RFDAAL              FDA          0
141 TRAILING EDGE FIBRE GLASS   14EAM      LFDAAM              FDA          0
141 TRAILING EDGE FIBRE GLASS   14EAM      RFDAAM              FDA          0
141 ELEVATOR ACTUATION                     FDB                 FDA          AAAAAAAAA
141 NORMAL MODE                            FDC                 FDB          111111111
141 SWITCH,NORM POSIT SYS 1     14EDB      FDCDB               FDC          1
141 SWITCH,NORM POSIT SYS 2     14EDB      FDCDBA              FDC          1
141 PARTIAL EMER MODE SYS 1 ON             FDD                 FDB    K FDG AAAAAAAAA
141 SWITCH,EMER POSIT SYS 2     14EDC      FDDDF               FDD          1
141 PARTIAL EMER MODE SYS 2 ON             FDE                 FDB    K FDF AAAAAAAAA
141 SWITCH,EMER POSIT SYS 1     14EDB      FDEDB               FDE          1
141 SYSTEM 1 POWER CONTROL                 FDF                 FDC          111111111
141 SYSTEM 1 POWER CONTROL                 FDF                 FDD          111111111
141 SYSTEM 1 POWER CONTROL                 FDF                 FDFA        FAAAAAAAAA
141 ELEVATOR SYS 1 PWR                     FDFA                FDPR         111111111
141  CONTROL UNIT               44BBA      FDFABA              FDFA         1
141  LIGHT ASSY MASTER CAUTION  44BBB      FDFABB              FDFA         1
141 INDICATOR LIGHT ANNUN       44BBC      FDFABC              FDFA         1
141 OVERHEAD CONTROL FLT PANEL  99146      FDFABD              FDFA         1
141 POWER UNIT ASSEMBLY         14ECA      FDFCA               FDF          A
141 POWER UNIT CYLINDER         14ECB      FDFCB               FDF          A
141 POWER UNIT CONTROL VLV      14ECC      FDFCC               FDF          A
141 DAMPER                      14ECD      FDFCD               FDF          2
141 SYSTEM 1 SHUTOFF VALVE      14ECE      FDFCE               FDF          A
141 SYSTEM 1 FILTER             14ECF      FDFCF               FDF          2
141 SYSTEM 1 FILTER ELEMENT     14ECG      FDFCG               FDF          2
141 SYSTEM 1 BYPASS VALVE       14ECH      FDFCH               FDF          A
141 SYSTEM 1 PLUMBING           14ECJ      FDFCJ               FDF          1
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000000001111111111222222223333333344444444445555556666666677777777778
123456789012345678901234567890123456789012345678  4567890123456789012345678
141 ACCUMULATOR                  14ECK   FDFCK      FDF          C
141 SYSTEM 1 ACTUATOR            9914B   FDFCP      FDF          A
141 SYSTEM 1 PRESSURE SWITCH     14EDD   FDFDD      FDF          A
141 SYSTEM 1 WIRING              14EDL   FDFDL      FDF          1
141 SYSTEM 1 SO/SP ACTUATOR      9914A   FDFDM      FDF          A
141 SYSTEM 2 POWER CONTROL               FDG        FDC           111111111
141 SYSTEM 2 POWER CONTROL               FDG        FDF           111111111
141 SYSTEM 2 POWER CONTROL               FDG        FDGA         F111111111
141 ELEVATOR SYS 2 PWR                   FDGA       FDPC          111111111
141  CONTROL UNIT                44EDA   FDGABA     FDGA         1
141  LIGHT ASSY MASTER CAUTION   44DE3   FDGABB     FDGA         1
141 INDICATOR LIGHT ANNUN        44D8C   FDGABC     FDGA         1
141 OVERHEAD CONTROL FLT PANEL   9914G   FDGABD     FDGA         1
141 POWER UNIT ASSEMBLY          14ECA   FDGCA      FDG          A
141 POWER UNIT CYLINDER          14ECB   FDGCB      FDG          A
141 POWER UNIT CONTROL VLV       14ECC   FDGCC      FDG          A
141 DAMPER                       14ECD   FDGCD      FDG          2
141 SYSTEM 2 SHUTOFF VALVE       14ECE   FDGCE      FDG          A
141 SYSTEM 2 FILTER              14ECF   FDGCF      FDG          2
141 SYSTEM 2 FILTER ELEMENT      14ECG   FDGCG      FDG          2
141 SYSTEM 2 BYPASS VALVE        14ECH   FDGCH      FDG          A
141 SYSTEM 2 PLUMBING            14ECJ   FDGCJ      FDG          1
141 ACCUMULATOR                  14ECK   FDGCK      FDG          C
141 SYSTEM 2 ACTUATOR            9914B   FDGCQ      FDG          A
141 SYSTEM 2 PRESSURE SWITCH     14EDD   FDGDD      FDG          A
141 SYSTEM 2 WIRING              14EDL   FDGDL      FDG          1
141 SYSTEM 2 SO/SP ACTUATOR      9914A   FDGDN      FDG          A
141 SYSTEM 3 POWER CONTROL               FDH        FDB    K FDC  SAAAAAAAAA
141 SYSTEM 3 POWER CONTROL               FDH        FDD           111111111
141 SYSTEM 3 POWER CONTROL               FDH        FDF           111111111
141 SYSTEM 3 POWER CONTROL               FDH        FDHA         FAAAAAAAAA
141 ELEVATOR EMERGENCY PWR IND           FDHA       FDPD          111111111
141  CONTROL UNIT                44EBA   FDHABA     FDHA         1
141  LIGHT ASSY MASTER CAUTION   44D8B   FDHABB     FDHA         1
141 INDICATOR LIGHT ANNUN        44D8C   FDHABC     FDHA         1
141 OVERHEAD CONTROL FLT PANEL   9914G   FDHABD     FDHA         1
141 SYSTEM 3 CONTROL VALVE       14ECC   FDHCC      FDH          A
141 SYSTEM 3 SHUTOFF VALVE       14ECE   FDHCE      FDH          A
141 SYSTEM 3 FILTER              14ECF   FDHCF      FDH          2
141 SYSTEM 3 FILTER ELEMENT      14ECG   FDHCG      FDH          2
141 SYSTEM 3 BYPASS VALVE        14ECH   FDHCH      FDH          A
141 RELAY,NO.3 SYSTEM PUMP REL   14EDC   FDHDC      FDH          A
141 SYSTEM 3 SO/SP ACTUATOR      9914A   FDHDP      FDH          A
141 ELEVATOR POSITIONING                 FDK        FDB           AAAAAAAAA
141 ELEVATOR POSITIONING                 FDK        FDN          FAAAAAAAAA
141 PULLEY                       14EBJ   FDKBD      FDK          A
141 INPUT QUADRANT ASSY          14EBF   FDKBF      FDK          A
141 IDLER LINK                   14EBG   FDKBG      FDK          A
141 FAIRLEAD ROLLER ASSY         14EBH   FDKBH      FDK          A
141 PUSHROD QUADRANT OUTPUT      14EBL   FDKBL      FDK          2
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123456789012345678901234567890123456789012345678901234567890123456789012345678
141 PUSHROD POWER UNIT INPUT    14E6M   FDKBM          FDK          2
141 BEARING ROD END             14E6Q   FDKBQ          FDK          A
141 CABLE,LOCKCLAD              14E6R   FDKBR          FDK          5
141 CENTERING CAM               99146   FDKZA          FDK          A
141 CENTERING SPRING MECHANISM  99141   FDKZH          FDK          A
141 CENTERING SPRING LEVER      9914F   FDKZC          FDK          A
141 MOTION TRANSMISSION                 FDL            FDK            AAAAAAAAA
141 TENSION REGULATOR           14E6R   FDLBB          FDL          A
141 CABLE 6LA                   14EBC   FDLBC          FDL          5
141 CABLE ELB                   14EBC   FDLBCA         FDL          5
141 CABLE 6RA                   14EBC   FDLBCB         FDL          5
141 CABLE 6RB                   14EBC   FDLBCC         FDL          5
141 PUSHROD INTERCONNECT        14E6K   FDLBK          FDL          2
141 BEARING ROD END             14E6Q   FDLBQ          FDL          A
141 MOTION INITIATE                     FDM            FDL            AAAAAAAAA
141 CONTROL COLUMN 2EA          14EBA   FDMBA          FDM          1
141 PUSHROD,COLUMN              14E6J   FDMBJ          FDM          2
141 BOLT,CONTROL COLUMN         14E6N   FDMBN          FDM          U
141 COVER CONTROL COLUMN HEAD   14E6P   FDMBP          FDM          0
141 ARTIFICIAL FEEL FORCE               FDN            FDM            111111111
141 ARTIFICIAL FEEL FORCE               FDN            FDNA          F111111111
141 ELEVATOR FEEL MALFUNCTION           FDNA           FDPA   I FDN   111111111
141  CONTROL UNIT               44E6A   FDNABA         FDNA         1
141  LIGHT ASSY MASTER CAUTION  44E6B   FDNABB         FDNA         1
141 SPRING,ARTIFICIAL FEEL      14EEE   FDNABC         FDN          A
141 ARTIFICIAL FEEL ACTUATOR    14EEA   FDNADA         FDN          3
141 CONTROLLER                  14EDE   FDNADE         FDN          3
141 SWITCH,FEEL SELECTOR        14EDF   FDNADF         FDN          5
141 RECTIFIER                   14EDG   FDNADG         FDN          3
141 RELAY,FEEL RELEASE          14EDH   FDNADH         FDN          3
141 ARTIFICIAL FEEL COMPARATOR  14EDJ   FDNADJ         FDN          3
141 PITCH RATE ADAPTER          14EDK   FDNADK         FDN          3
141 ELEVATOR FEEL MALFUNCT LT   44E6C   FDNADX         FDNA         A
141 PILOT ACTION                        FDPA           FDM            333333333
141 PILOT  ACTION               14AAA   FDPB           FDF            111111111
141 PILOT  ACTION               14AAA   FDPC           FDD            111111111
141 PILOT  ACTION               14AAA   FDPD           FDH            000000000
141 PILOT  ACTION               14AAA   FDPE           FTH            AAAAAAAAA
141ROLL CONTROL                 14AAA   FE             S              0AAAAAAA0
141LEFT AILERON                 14AAA   LFEA           FE             012111130
141RIGHT AILERON                14AAA   RFEA           FE             012111130
141AILERON ASSEMBLY             14AA0   LFEAA          LFEA         0
141AILERON ASSEMBLY             14AA0   RFEAA          RFEA         0
141TIP ASSEMBLY                 14AAA   LFEAAA         LFEA         1
141TIP ASSEMBLY                 14AAA   RFEAAA         RFEA         1
141TRAILING EDGE HONEYCOMB      14AAB   LFEAAB         LFEA         1
141TRAILING EDGE HONEYCOMB      14AAB   RFEAAB         RFEA         1
141ACCESS DOOR                  14AAC   LFEAAC         LFEA         0
141ACCESS DOOR                  14AAC   RFEAAC         RFEA         0
141COUNTER WEIGHT ASSY          14AAD   LFEAAD         LFEA         1
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1234567890123456789012345678901234567890123456789012345678901234567890123456
141COUNTER WEIGHT ASSY                14AAD  RFEAAD          RFEA          1
141SEAL,AERODYNAMIC                   14AAE  LFEAAE          LFEA          1
141SEAL,AERODYNAMIC                   14AAE  RFEAAE          RFEA          1
141SKIN                               14AAF  LFEAAF          LFEA          1
141SKIN                               14AAF  RFEAAF          RFEA          1
141HINGE 39 EACH          14ABS       14AAG  LFEAAG          LFEA          1
141HINGE 39 EACH          14ABS       14AAG  RFEAAG          RFEA          1
141DOUBLER                            14AAH  LFEAAH          LFEA          1
141DOUBLER                            14AAH  RFEAAH          RFEA          1
141FORMER                             14AAJ  LFEAAJ          LFEA          1
141FORMER                             14AAJ  RFEAAJ          RFEA          1
141RIB                                14AAK  LFEAAK          LFEA          1
141RIB                                14AAK  RFEAAK          RFEA          1
141BEARING                            14AAL  LFEAAL          LFEA          1
141BEARING                            14AAL  RFEAAL          RFEA          1
141BUSHING                            14AAM  LFEAAM          LFEA          1
141BUSHING                            14AAM  RFEAAM          RFEA          1
141LEADING EDGE P/N 3W34453-101       14AAN  LFEAAN          LFEA          1
141LEADING EDGE P/N 3W34453-101       14AAN  RFEAAN          RFEA          1
141LEADING EDGE P/N 3W34454-101       14AAQ  LFEAAQ          LFEA          1
141LEADING EDGE P/N 3W34454-102       14AAQ  RFEAAQ          RFEA          1
141LEADING EDGE OUTBOARD              14AAR  LFEAAR          LFEA          1
141LEADING EDGE OUTBOARD              14AAR  RFEAAR          RFEA          1
141TRAILING EDGE,FIBER GLASS          14AAS  LFEAAS          LFEA          1
141TRAILING EDGE,FIBER GLASS          14AAS  RFEAAS          RFEA          1
141HINGES                   14AAG     14ABS  LFEABS          LFEA          1
141HINGES                   14AAG     14ABS  RFEABS          RFEA          1
141CLAMPS                             14ACF  LFEACF          LFEA          1
141CLAMPS                             14ACF  RFEACF          RFEA          1
141HINGE PLATES                       14ACN  LFEACN          LFEA          1
141HINGE PLATES                       14ACN  RFEACN          RFEA          1
141HINGE PLATE PINS                   14ACP  LFEACP          LFEA          1
141HINGE PLATE PINS                   14ACP  RFEACP          RFEA          1
141LEFT AILERON ACTUATION                    LFEB            LFEA            AAAAAAAAA
141RIGHT AILERON ACTUATION                   RFEB            RFEA            AAAAAAAAA
141AILERON CONTROL                            FEC             FE            SAAAAAAAAA
141AILERON CONTROL                            FEC            LFECA          FAAAAAAAAA
141AILERON CONTROL                            FEC            RFECA          FAAAAAAAAA
141LEFT AILERON POSITIONING                  LFECA           LFEB            AAAAAAAAA
141RIGHT AILERON POSITIONING                 RFECA           RFEB            AAAAAAAAA
141INPUT QUAD AILERON PWR UNIT        14ABA  LFECABA         LFECA         A
141INPUT QUAD AILERON PWR UNIT        14ABA  RFECABA         RFECA         A
141BELL CRANK                         14ABC  LFECABC         LFECA         A
141BELL CRANK                         14ABC  RFECABC         RFECA         A
141FAIRLEAD ROLLERS                   14ABN  LFECABN         LFECA         A
141FAIRLEAD ROLLERS                   14ABN  RFECABN         RFECA         A
141BEARINGS                           14ABP  LFECABP         LFECA         1
141BEARINGS                           14ABP  RFECABP         RFECA         1
141PUSH-ROD INNER CONNECT             14ABQ  LFECABQ         LFECA         A
141PUSH-ROD INNER CONNECT             14ABQ  RFECABQ         RFECA         A
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12345678901234567890123456789012345678901234567890123456789012345678901234567
141AILERON WING CABLES,LEFT          14ABE   LFECABR          LFECA          A
141AILERON WING CABLES,RIGHT         14ACR   RFECABR          RFECA          A
141ADJUSTMENT ASSY CENTER WING       14ABA     FECBP            FEC          A
141PUSH-PULL TUBE                    14ABC     FECBD            FEC          A
141PULLEY ASSEMBLY                   14ABJ     FECBJ            FEC          A
141QUADRANT-CABLE                    14ABK     FECBK            FEC          A
141PRESSURE SEAL ROTARY              14ABL     FECBL            FEC          A
141PUSH-ROD INNER CONNECT            14ABQ     FECBQ            FEC          A
141TENS REG-TO-INPUT QUAD CABLE      14ABR     FECBR            FEC          A
141LEFT TAB OPERABLE MODE                      LFED             LFEB    KLFEE     AAAAAAAAA
141LEFT TAB OPERABLE MODE                      LFED             LFEDA             AAAAAAAAA
141RIGHT TAB OPERABLE MODE                     RFED             RFEB    KRFEE     AAAAAAAAA
141 RIGHT TAB OPERABLE MODE                    RFED             RFEDA             AAAAAAAAA
141 L-TAB OPERABLE INDICATE                    LFEDA            LFEJ              111111111
141 R-TAB OPERABLE INDICATE                    RFEDA            RFEJ              111111111
141  CONTROL UNIT                    44BBA   LFEDABA          LFEDA          1
141  CONTROL UNIT                    44BBA   RFEDABA          RFEDA          1
141  LIGHT ASSY MASTER CAUTION       44BBB   LFEDABB          LFEDA          1
141  LIGHT ASSY MASTER CAUTION       44BBB   RFEDABB          RFEDA          1
141 INDICATOR LIGHT                  44BBC   LFEDABC          LFEDA          A
141 INDICATOR LIGHT                  44BBC   RFEDABC          RFEDA          A
141SWITCH,CONTROL,TAB OPERABLE       99140   LFEDQ            LFED           A
141SWITCH,CONTROL,TAB OPERABLE       99140   RFEDQ            RFED           A
141LEFT NORMAL MODE                            LFEE             LFEB    LFED      011111130
141RIGHT NORMAL MODE                           RFEE             RFEB    RFED      011111130
141HYD AND ELEC PWR  SYS 1                     LFEEA            LFEE              111111111
141HYD AND ELEC PWR SYS 1                      RFEEA            RFEE              111111111
141PRESSURE REDUCER SYS 1            14ACD   LFEEACD          LFEEA          0
141PRESSURE REDUCER SYS 1            14ACD   RFEEACD          RFEEA          0
141BY-PASS VALVE SYS 1   14ACH      14ACG   LFEEACG          LFEEA          A
141BY-PASS VALVE SYS 1   14ACH      14ACG   RFEEACG          RFEEA          A
141VALVE,SHUT-OFF SYS 1  14ACG      14ACH   LFEEACH          LFEEA          A
141VALVE,SHUT-OFF SYS 1  14ACG      14ACH   RFEEACH          RFEEA          A
141FILTER  SYS 1                     14ACJ   LFEEACJ          LFEEA          1
141FILTER  SYS 1                     14ACJ   RFEEACJ          RFEEA          1
141FILTER ELEMENT  SYS 1             14ACK   LFEEACK          LFEEA          1
141FILTER ELEMENT SYS 1              14ACK   RFEEACK          RFEEA          1
141MISC.PLUMBING   SYS 1             14ACM   LFEEACM          LFEEA          1
141MISC PLUMBING SYS 1               14ACM   RFEEACM          RFEEA          1
141RELAY  SYS 1                      14ADC   LFEEADC          LFEEA          A
141RELAY SYS 1                       14ADC   RFEEADC          RFEEA          A
141WIRING SYS 1                      14ADD   LFEEADD          LFEEA          1
141WIRING SYS 1                      14ADD   RFEEADD          RFEEA          1
141ACTUATOR,LINEAR SYS 1             14ADE   LFEEADE          LFEEA          A
141ACTUATOR,LINEAR SYS 1             14ADE   RFEEADE          RFEEA          A
141SWITCH,CONTROL,HYD SYS NO.1       99141   LFEEAP           LFEEA          A
141SWITCH,CONTROL,HYD SYS NO.1       99141   RFEEAP           RFEEA          A
141HYD AND ELEC PWR SYS NO.2                   LFEEB            LFEE              111111111
141HYD AND ELEC PWR SYS 2                      RFEEB            RFEE              111111111
141PRESSURE REDUCER SYS 2            14ACD   LFEEBCD          LFEEB          0
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1234567890123456789012345678901234567890123456789012345678901234567890123456789
141PRESSURE REDUCER SYS 2          14ACD  RFEEBCD          RFEEB          C
141BY-PASS VALVE SYS 2   14ACH    14ACG  RFEEBCG          RFEEB          A
141BY-PASS VALVE SYS 2   14ACH    14ACG  LFEEBCGA         LFEEB          A
141VALVE,SHUT-OFF SYS 2  14ACG    14ACH  LFEEBCH          LFEEB          A
141VALVE,SHUT-OFF SYS 2  14ACG    14ACH  RFEEBCH          RFEEB          A
141FILTER  SYS 2                   14ACJ  LFEEBCJ          LFEEB          1
141FILTER  SYS 2                   14ACJ  RFEEBCJ          RFEEB          1
141FILTER ELEMENT  SYS 2           14ACK  LFEEBCK          LFEEB          1
141FILTER ELEMENT SYS 2            14ACK  RFEEBCK          RFEEB          1
141MISC.PLUMBING   SYS 2           14ACM  LFEEBCM          LFEEB          1
141MISC PLUMBING SYS 2             14ACM  RFEEBCM          RFEEB          1
141RELAY  SYS 2                    14ADC  LFEEBDC          LFEEB          A
141RELAY SYS 2                     14ADC  RFEEBDC          RFEEB          A
141WIRING SYS 2                    14ADD  LFEEBDD          LFEEB          1
141WIRING SYS 2                    14ADD  RFEEBDD          RFEEB          1
141ACTUATOR,LINEAR SYS 2           14ADE  LFEEBDE          LFEEB          A
141ACTUATOR,LINEAR SYS 2           14ADE  RFEEBDE          RFEEB          A
141CONTROL LEVERS 2 EACH           14AEM  LFEEBM           LFEE           1
141CONTROL LEVERS 2 EACH           14AEM  RFEEBM           RFEE           1
141SWITCH,CONTROL,HYD SYS NO.2     9914P  LFEEBP           LFEEB          A
141SWITCH,CONTROL,HYD SYS NO.2     9914P  RFEEBP           RFEEB          A
141 AILERON SYS 1 PWR IND                 LFEEC            LFEJ             111111111
141 AILERON SYS 1 PWR IND                 RFEEC            RFEJ             111111111
141POWER UNIT ASSY                 14ACA  LFEECA           LFEE           B
141POWER UNIT ASSY                 14ACA  RFEECA           RFEE           B
141POWER UNIT CYLINDER             14ACH  LFEECB           LFEE           A
141POWER UNIT CYLINDER             14ACH  RFEECB           RFEE           A
141  CONTROL UNIT                  44BBA  LFEECBA          LFEEC          1
141  CONTROL UNIT                  44BBA  RFEECBA          RFEEC          1
141  LIGHT ASSY MASTER CAUTION     44BBB  LFEECBB          LFEEC          1
141  LIGHT ASSY MASTER CAUTION     44BBB  RFEECBB          RFEEC          1
141AILERON SYS 1 PWR LIGHT         44BBC  LFEECBC          LFEEC          1
141AILERON SYS 1 PWR LIGHT         44BBC  RFEECBC          RFEEC          1
141POWER UNIT CONTROL VALVE        14ACC  LFEECC           LFEE           A
141POWER UNIT CONTROL VALVE        14ACC  RFEECC           RFEE           A
141PRESSURE SWITCH SYS 1           14ADA  LFEECDA          LFEEC          A
141PRESSURE SWITCH SYS 1           14ADA  RFEECDA          RFEEC          A
141RECTIFIER        SYS 1          14ADB  LFEECDB          LFEEC          1
141RECTIFIER  SYS 1                14ADB  RFEECDB          RFEEC          1
141RECTIFIER        SYS 2          14ADH  LFEECDBA         LFEED          1
141 INDICATOR LIGHT,L-PWR OFF      9914G  LFEECG           LFEEC          1
141 INDICATOR LGHT R PWR OFF       9914G  RFEECG           RFEEC          1
141 AILERON SYS 2 PWR IND                 LFEED            LFEJ             111111111
141 AILERON SYS 2 PWR IND                 RFEED            RFEJ             111111111
141  CONTROL UNIT                  44BBA  LFEEDBA          LFEED          1
141  CONTROL UNIT                  44BBA  RFEEDBA          RFEED          1
141  LIGHT ASSY MASTER CAUTION     44BBB  LFEEDBB          LFEED          1
141  LIGHT ASSY MASTER CAUTION     44BBB  RFEEDBB          RFEED          1
141AILERON SYS 2 PWR LIGHT         44BBC  LFEEDBC          LFEED          1
141AILERON SYS 2 PWR LIGHT         44BBC  RFEEDBC          RFEED          1
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1234567890123456789012345678901234567890123456789012345678 4567890123456789012345678901
141PRESSURE SWITCH SYS 2          14A5A  LFEFDDA          LFEED          A
141PRESSURE SWITCH SYS 2          14A5A  RFEFDDA          RFEED          A
141RECTIFIER  SYS 2               14A05  RFELDDB          RFEED          1
141 INDICATOR LIGHT,L-PWR OFF     5914G  LFEFDG           LFELD          1
141 INDICATOR LIGHT R-PWR OFF     5914G  RFEFDG           RFEFD          1
141LEFT SERVO TAB OPERATION              LFEF             LFED             AAAAAAAAA
141RIGHT SERVO TAB OPERATION             RFEF             RFED             AAAAAAAAA
141AILERON SERVO TAB ASSY         14BA0  LFEFA            LFEF           1
141AILERON SERVO TAB ASSY         14BA0  RFEFA            RFEF           1
141OVERIDE SPRING                 14BAA  LFEFAA           LFEF           1
141OVERIDE SPRING                 14BAA  RFEFAA           RFEF           1
141COUNTERWEIGHT ASSY             14BAB  LFEFAB           LFEF           1
141COUNTER WEIGHT ASSY            14BAB  RFEFAB           RFEF           1
141SEAL AERODYNAMIC               14BAC  LFEFAC           LFEF           0
141SEAL,AERODYNAMIC               14BAC  RFEFAC           RFEF           0
141BEARING ROD END                14BBA  LFEFBA           LFEF           1
141BEARING ROD END                14BBA  RFEFBA           RFEF           1
141LINKAGE,SERVO TAB              14BBB  LFEFBB           LFEF           A
141LINKAGE,SERVO TAB              14BBB  RFEFBB           RFEF           A
141HINGE,SERVO TAB  5 EACH        14BBC  LFEFBC           LFEF           1
141HINGE,SERVO TAB 5 EACH         14BBC  RFEFBC           RFEF           1
141SWITCH,LOCKOUT CONTROL         14BCC  LFEFCC           LFEF           A
141SWITCH,LOCKOUT CONTROL         14BCC  RFEFCC           RFEF           A
141SWITCH,TAB POSITION            14BCD  LFEFCD           LFEF           A
141SWITCH,TAB POSITION            14BCD  RFEFCD           RFEF           A
141SOLENOID VALVE,TAB LOCKOUT     14BCE  LFEFCE           LFEF           A
141SOLENOID VALVE,TAB LOCKOUT     14BCE  RFEFCE           RFEF           A
141WIRING,LEFT TAB ELECTRICAL     14BCF  LFEFCF           LFEF           1
141WIRING,RIGHT TAB,ELECTRICAL    14BCF  RFEFCF           RFEF           1
141CYL ASY TAB LOCK OUT           14ACL  LFEFCL           LFEF           A
141CYL ASY TAB LOCK OUT           14ACL  RFEFCL           RFEF           A
141LEFT TAB DAMPING                      LFEG             LFEF             111111111
141RIGHT TAB DAMPING                     RFEG             RFEF             111111111
141DAMPER                         14ACE  LFEGCE           LFEG           A
141DAMPER                         14ACE  RFEGCE           RFEG           A
141MOTION TRANSMISSION                   FEH              FEC              AAAAAAAAA
141CONTROL WHEEL INPUTS                  FEHA             FEH              3A9999999
141CONTROL WHEEL 2 EACH           14ABF  FEHABF           FEHA           1
141COVER WHEEL                    14ABG  FEHABG           FEHA           0
141TENSION REGULATOR 2 EACH       14ABH  FEHABH           FEHA           1
141CONTROL COLUMN CABLES 2 EACH14ABP     FEHABP           FEHA           1
141TRIMMING INPUT                        FEHC             FEHE             FAA1AAAAAA
141TRIMMING INPUT                        FEHC             FJAZZ            111111111
141TRIM ACTUATOR                  14BCA  FEHCCA           FEHC           A
141SWITCH,CONTROL AILERON TRIM    14BCB  FEHCCB           FEHC           A
141FEEL FORCE                            FEHD             FEHA             111111111
141SPRING,ARTIFICIAL FEEL         14ABE  FEHDBE           FEHD           A
141TRIM INDICATE                         FEHF             FEHC             111111111
141INDICATOR                      14BCA  FEHEDA           FEHE           A
141TRANSMITTER                    14BDB  FEHEDB           FEHE           A
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123456789012345678901234567890123456789012345678901234567890123456789012345678901
141 PILOT ACTION                          LFEJ          LFED          AAAAAAAAA
141 PILOT ACTION                          RFEJ          RFED          AAAAAAAAA
141FLIGHT SPEED CONTROL                   FF            GAIN          AAAAAAAAA
141AERO DRAG/LIFT REDUCTION               FFA           FF            AAAAAAAAA
141INBRD LEFT SPOILERS,UPPER              FFAA          FFA           111111111
141SEAL,SPOILER ASSY          14HCG       FFAACG        FFAA      0
141STOP,SPOILER ASSY          14HCH       FFAACH        FFAA      1
141HINGE ASSY RSEACH<         14HCQ       FFAACQ        FFAA      1
141INBRD LEFT UPPER SPOILER 1 14HDF       FFAADF        FFAA      1
141INBRD LEFT UPPER SPOILER 2 14HDG       FFAADG        FFAA      1
141INBRD LEFT UPPER SPOILER 3 14HDH       FFAADH        FFAA      1
141INBRD LEFT UPPER SPOILER 4 14HDJ       FFAADJ        FFAA      1
141INBRD LEFT UPPER SPOILER 5 14HDK       FFAADK        FFAA      1
141LEADING EDGE P/N 3W34453-1011 14HAP    LFEAAP        LFEA      1
141LEADING EDGE P/N 3W34453-1011 14HAP    RFEAAP        RFEA      1
141INBRD LEFT SPOILERS,LOWER              FFAB          FFA           111111111
141SEAL,SPOILER ASS           14HCG       FFABCG        FFAB      0
141STOP,SPOILER ASSY          14HCH       FFABCH        FFAB      1
141HINGE ASSY RSEACH<         14HCQ       FFABCQ        FFAB      1
141INBRD LEFT LOWER SPOILER 1 14HDA       FFABDA        FFAB      1
141INBRD LEFT LOWER SPOILER 2 14HDB       FFABDB        FFAB      1
141INBRD LEFT LOWER SPOILER 3 14HDC       FFABDC        FFAB      1
141INBRD LEFT LOWER SPOILER 4 14HDD       FFABDD        FFAB      1
141INBRD LEFT LOWER SPOILER 5 14HDE       FFABDE        FFAB      1
141OUTBOARD LEFT SPOILERS,UPPER           FFAC          FFA           111111111
141SEALCSPOILER ASSY          14HCG       FFACCG        FFAC      0
141STOP,SPOILER ASSY          14HCH       FFACCH        FFAC      1
141HINGE ASSY RSEACH<         14HCQ       FFACCQ        FFAC      1
141OUTBRD LEFT UPPER SPOILER 1 14HDQ      FFACDQ        FFAC      1
141OUTBRD LEFT UPPER SPOILER 2 14HDR      FFACDR        FFAC      1
141OUTBRD LEFT UPPER SPOILER 3 14HDS      FFACDS        FFAC      1
141OUTBRD LEFT UPPER SPOILER 4 14HDT      FFACDT        FFAC      1
141OUTBOARD LEFT SPOILERS LOWER           FFAD          FFA           111111111
141SEAL,SPOILER ASS           14HCG       FFADCG        FFAD      0
141STOP,SPOILER ASSY          14HCH       FFADCH        FFAD      1
141HINGE ASSY RSEACH<         14HCQ       FFADCQ        FFAD      1
141OUTBRD LEFT LOWER SPOLER 0 14HDL       FFADDL        FFAD      1
141OUTBRD LEFT LOWER SPOLER 1 14HDM       FFADDM        FFAD      1
141OUTBRD LEFT LOWER SPOLER 3 14HDN       FFADDN        FFAD      1
141OUTBRD LEFT LOWER SPOLER 4 14HDP       FFADDP        FFAD      1
141 INBD LEFT SPOILER POSIT               FFB           FFA           SAAAAAAAAA
141INBRD LEFT SPOILER POSITION            FFB           FFAA          FAAAAAAAAA
141INBRD LEFT SPOILER POSITION            FFB           FFAB          FAAAAAAAAA
141LEFT UP/LOW ACT CABLES INBRD14HCB      FFBCB         FFB       A
141LEFT UP/LOW ACT. PUSHROD LOCA14HCJ     FFBCJ         FFB       1
141BEARING ROD ENDS           14HCK       FFBCK         FFB       1
141LOWER INBOARD SPOILER QUAD 114HEA      FFBEA         FFB       1
141LOWER INBOARD SPOILER QUAD 214HEB      FFBEB         FFB       1
141LOWER INBOARD SPOILER QUAD 314HEC      FFBEC         FFB       1
141LOWER INBOARD SPOILER QUAD 414HED      FFBED         FFB       1
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141LOWER INBOARD SPOILER QUAD 514HLE    FFDEE          FFB          1
141UPPER INBOARD SPOILER QUAD 114HEF    FFBEF          FFB          1
141UPPER INBOARD SPOILER QUAD 214HLG    FFBEG          FFB          1
141UPPER INBOARD SPOILER QUAD 314HLH    FFBEH          FFB          1
141UPPER INBOARD SPOILER QUAD 414HEJ    FFBEJ          FFB          1
141UPPER INBOARD SPOILER QUAD 514HEK    FFBEK          FFB          1
141 OUTBD LEFT SPOILER POSIT            FFC            FFA           SAAAAAAAAA
141OUTBRD LEFT SPOILER POSITION         FFC            FFAC          FAAAAAAAAA
141OUTBRD LEFT SPOILER POSITION         FFC            FFAD          FAAAAAAAAA
141LEFT UP/LOW ACT CABLES OUTBD14HCB    FFCCB          FFC          A
141LEFT UP/LOW ACT PUSHRODS &EA14HCJ    FFCCJ          FFC          1
141SEALING ROD ENDS             14HCK   FFCCK          FFC          1
141LOWER OUTBRD SPOILER QUAD 6 14HEL    FFCEL          FFC          1
141LOWER OUTBRD SPOILER QUAD 7 14HEM    FFCEM          FFC          1
141LOWER OUTBRD SPOILER QUAD 8 14HEN    FFCEN          FFC          1
141LOWER OUTBRD SPOILER QUAD 9 14HEP    FFCEP          FFC          1
141UPPER OUTBRD SPOILER QUAD 6 14HEQ    FFCEQ          FFC          1
141UPPER OUTBRD SPOILER QUAD 7 14HER    FFCER          FFC          1
141UPPER OUTBRD SPOILER QUAD 8 14HES    FFCES          FFC          1
141UPPER OUTBRD SPOILER QUAD 9 14HET    FFCET          FFC          1
141 LEFT WING ACTUATORS                 FFD            FFA           SAAAAAAAAA
141LEFT WING ACTUATOR                   FFD            FFB           FAAAAAAAAA
141LEFT WING ACTUATOR                   FFD            FFC           FAAAAAAAAA
141LEFT WING ACTUATION                  FFD            FFTA          FAAAAAAAAA
141SPOILER MANUAL SHUTOFF VALVE14HAB    FFDAB          FFD          0
141OUTBRD SERVO VALVE           14HAC   FFDAC          FFD          A
141INBRD SERVO VALVE            14HAC   FFDACA         FFD          A
141RESTRICTORS                  14HAD   FFDAD          FFD          1
141PH HYD ACTUATOR              14HAE   FFDAE          FFD          A
141L.H.HYDRAULIC ACTUATOR       14HAF   FFDAF          FFD          A
141SYSTEM NO 2 PLUMBING  LEFT   14HAG   FFDAG          FFD          1
141SYSTEM NO 3 PLUMBING  LEFT   14HAG   FFDACA         FFD          1
141SYSTEM NO3 FILTER ELEMENT    14HAH   FFDAH          FFD          C
141SYS NO 2 FILTER ELEMENT      14HAH   FFDAHA         FFD          0
141INBRD SPOILER DRIVE TUBE     14HCD   FFDCD          FFD          A
141OUTBRD SPOILER DRIVE TUBE    14HCD   FFDCDA         FFD          A
141OUTBRD ACTUATING CYLINDER    9814A   FFDXA          FFD          A
141CLOSURE PISTONS              9814B   FFDXB          FFD          A
141DAMPER                       9814C   FFDXC          FFD          A
141TRANSFER PISTON              9814D   FFDXD          FFD          A
141SYS 2 IN-FLT PP/SO VLV       9814E   FFDXE          FFD          2
141SYSTEM NO3 FLOW LIMITER VLV  9814F   FFDXF          FFD          2
141SYSTEM NO3 SHUTOFF PILOT VLV9814G    FFDXG          FFD          2
141SYSTEM NO3 PP/SO VALVE       9814E   FFDXH          FFD          2
141SYSTEM NO3 IN-FLT PILOT VLV  9814G   FFDXJ          FFD          2
141SYS 3 DIFF PRESSURE IND      9814K   FFDXK          FFD          0
141INBRD ACTUATING CYLINDER     9814A   FFDXL          FFD          A
141CLOSURE PISTON               9814B   FFDXM          FFD          A
141TRANSFER PISTON              9814D   FFDXN          FFD          A
141DAMPER                       9814C   FFDXP          FFD          A
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123456789012345678901234567890123456789012345678901234567890123456789012345670
141SYSTEM 2 FLOW LIMIT VALVE      9814F   FFLXJ          FFD          2
141SYS 3 IN-FLT EP/SD VLVL        9814F   FFLXR          FFD          2
141SYSTEM 2 IN-FLT PILOT VLV      9814L   FFLXS          FFD          2
141SYSTEM 2 EP/SD VLV             9814E   FFDXT          FFD          2
141SYS 2 SHUTOFF PILOT VLV        9814G   FFDXU          FFD          2
141SYS 2 DIFF PRESSURE IND        9814K   FFDXV          FFD          2
141CENTRAL POSITIONING                    FFG            FFD            AAAAAAAAA
141LEFT SPOILER WING CABLES       14HCB   FFGCB          FFG          A
141CENTER DRIVE QUADRANT          14HCN   FFGCN          FFG          A
141AILERON TRANSMISSION                   FFH            FFG            AAAAAAAAA
141SPOILER CABLE SERVO ACTUATOR   14HAA   FFHAA          FFH          A
141SPOILER SYSTEM INPUT CABLES    14HCR   FFHCS          FFH          A
141CABLE SERVO OUTPUT QUADRANT    14HCM   FFHCM          FFH          A
141SPOILER INPUT RETURN SPRINGS   14HCP   FFHCP          FFH          A
141SPOILER CONTROL                        FFJ            FFH            AAAAAAAAA
141SPOILER LEVER LOCK SOLENOID    14HBB   FFJBB          FFJ          A
141SOLENOID ACTUATOR,HYDRAULIC    14HBC   FFJBC          FFJ          A
141SOLENOID CABLE SERVO           14HBD   FFJBD          FFJ          A
141RTO AUTO SPOILER ARM SW        14HBM   FFJBM          FFJ          A
141SPOILER SELECT SWITCH [illegible] 9814M FFJXM         FFJ          1
141SPOILER ARMING                         FFK            FFJ            AAAAAAAAA
141SPOILER ARMING                         FFK            FFP            FAAAAAAAAA
141SPOILER ARMING                         FFK            FFS            FAAAAAAAAA
141SWITCH,HANDLE OPERATED         14HBH   FFKBH          FFK          A
141SWITCH-AUTO SPOILER ARM        14HBL   FFKBL          FFK          A
141SPOILER CONTROL LEVER          14HCL   FFKCL          FFK          1
141 AUTOMATIC CONTROL                     FFL            FFJ      FFM   000000000
141 RTO MODE                              FFLA           FFL            CA0000000
141 RTO MODE                              FFLA           FFR            FAAAAAAAAA
141 RTO MODE                              FFLA           FFS            FAAAAAAAAA
141 THROTTLE AUTO-DEPLOY MECH     14HCC   FFLACC         FFLA         A
141 AUTO-LAND MODE                        FFLB           FFL            000000000
141 AUTO-LAND MODE                        FFLB           FFR            F0000000A0
141 AUTO-LAND MODE                        FFLB           FFS            F0000000A0
141 WHEEL ROTATION DETECTION              FFLC           FFLB           AA0000AAA
141 WHEEL ROT DET                         FFLC           FFN            F0000000I0
141 SPOILER CONTROL                       FFLC           GBO            FAAAAAAAAA
141 TOUCHDOWN CONTROL BOX         14HBN   FFLCBN         FFLC         A
141 CKT BRD TO CONTROL BOX        14HBP   FFLCBP         FFLC         A
141 MANUAL CONTROL                        FFM            FFJ      K FFL   AAAAAAAAA
141 MANUAL LANDING MODE                   FFMA           FFM            F0A0000CA0
141 MANUAL LANDING MODE                   FFMA           FFR            F0A0000CA0
141 FLIGHT MODE                           FFMB           FFM            F0CAAAAA0C
141 FLIGHT MODE                           FFMB           FFP            F0CAAAAA0C
141 SPOILER CONTROL LOCK DWRD             FFN            FFM              AAAAAAAAA
141 PILOT ACTION 50 LB FORCE              FFNA           FFN              000000000
141 SPOILER CONTROL HANDLE        14HCL   FFNACL         FFNA         A
141 FLAPS-UP SENSED                       FFNB           FFN              001111100
141 SWITCH,INTERLOCK              14HBE   FFNBE          FFNB         A
141 FLAP UP SWITCH                14GDD   FFNBDU         FFNB         A
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123456789012345678901234567890123456789012345678901234567890123456789012345678
141 FLAP POSITION SWITCH          14CDD   FFMBDD          FFP          A
141 RELAY,FLAP POSITION           14CDF   FFMBDF          FFM3         A
141 FLAP POSITION RELAY           14CDF   FFMADF          FFP          A
141 INTERLOCK ASSY                14HCA   FFNCA           FFN          A
141STALL WARN LIGHT/HORN CKTS             FFP             FFV            111111111
141STALL COMPUTER INPUTS                  FFQ             FFP            AAAAAAAAA
141GROUND LIGHT CKT                       FFR             FFV            000000000
141ARMED LIGHT CKT                        FFS             FFV            000000000
141ALTERNATE MODE SPLR RETRACT            FFT             FF      K FFD  055555550
141ASYMMETRY DETECTION                    FFTA            FFT            011111110
141 ASYMMETRY DETECTOR SWITCH     14HBA   FFTABA          FFTA         A
141 COMPUTER/AMP ASSEM            14HBG   FFTABG          FFTA         A
141 DRIVE RAIL ASSY               14HCE   FFTACE          FFTA         A
141 DRIVE ASSY ASYMMETRY DET      14HCF   FFTACF          FFTA         A
141 ASYMMETRY VALVES  2EACH       5814A   FFTAXN          FFTA         A
141 ASYMMETRY PISTONS 2EACH       5814P   FFTAXP          FFTA         A
141 ASYMMETRY PILOT VLV 2EACH     5814Q   FFTAXQ          FFTA         A
141EMERGENCY RETRACT                      FFT3            FFT            011111110
141SWITCH,EMERGENCY AND TEST      14HBF   FFTBBF          FFTB         A
141SLOWDOWN                               FFTC            FFT            FC01111100
141  POSITION INDICATE                    FFU             DD3B           FAAAAAAAAA
141POSITION INDICATE                      FFU             FFV            111111111
141RELAY                          14HBJ   FFUBJ           FFU          A
141RECTIFIER                      14HBK   FFUBK           FFU          1
1411DICATOR                       14HFA   FFUFA           FFU          A
141TRANSMITTER                    14HFB   FFUFB           FFU          A
141 PILOT ACTION                          FFV             FFM            111111111
141 CONTROL COLUMN SHAKER                 FGA             FGU            222222222
141 SHAKER,CONTROL COLUMN  2EA    14JBB   FGABB           FGA          1
141 RELAY,CONTROL 2 EACH          14JBK   FGABK           FGA          1
141 CONTROL COLUMN PUSHER                 FGB             FGV    K FGU   AAAAAAAAA
141 TENSION REGULATOR             14JAJ   FGBAJ           FGB          1
141 TENSION REGULATOR             14JAK   FGBAK           FGB          1
141 LEVER ASSY  2EACH             14JAL   FGBAL           FGB          1
141 CAM 2EACH                     14JAM   FGBAM           FGB          1
141 CAM ROLLER  2 EACH            14JAN   FGBAN           FGB          1
141 HYDRAULIC ACTUATION                   FGC             FGB            AAAAAAAAA
141 ACTUATOR,CTRL COL SHAK 2EA    14JCA   FGCCA           FGC          1
141 VALVE,SELECTOR 2EA            14JCB   FGCCB           FGC          1
141 SHAKER SIGNAL                         FGD             FGA            FAAAAAAAAA
141 SHAKER SIGNAL                         FGD             FGC            FAAAAAAAAA
141 SHAKER SIGNAL                         FGD             FGG            FAAAAAAAAA
141 SHAKER SIGNAL                         FGD             FGV            SAAAAAAAAA
141 SHAKER SIGNAL                         FGD             UHCF           FAAAAAAAAA
141 SHAKER SIGNAL                         FGD             UHCG           FAAAAAAAAA
141 PUSHER SIGNAL                         FGE             FGB            AAAAAAAAA
141 STALL COMPUTATIONS                    FGF             FGD            FAAAAAAAAA
141 STALL COMPUTATIONS                    FGF             FGE            FAAAAAAAAA
141 STALL COMPUTATIONS                    FGF             FGH            FAAAAAAAAA
141 STALL COMPUTATIONS                    FGF             FGV            SAAAAAAAAA
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141 COMPUTER,STALL WARNING 2EA 14J8A   FGFBA          FGF          1
141 MODULE 2EA                 14J8L   FGFBL          FGF          1
141STALL WARNING INDICATE              FGG            FGQ            111111111
141STALL WARNING INDICATE              FGG            FGU            111111111
141 PRE-STALL ACTION                   FGH            FFQ            AAAAAAAAA
141 PRE-STALL ACTION                   FGH            FLG            AAAAAAAAA
141 ANGLE OF ATTACK                    FGJ            CBER           FAAAAAAAAA
141 ANGLE OF ATTACK                    FGJ            FGF            AAAAAAAAA
141 TRANSDUCER 2 EA            14J8C   FGJBC          FGJ          1
141 ANGLE OF ATTACK DE-ICE             FGK            FGJ    A       AAAAAAAAA
141 ANGLE OF ATTACK DE-ICE             FGK            FGS            FAAAAAAAAA
141 SWITCH,DE ICE 2 EA         14J8G   FGKBG          FGK          1
141 RELAY,HEATER CONTROL 2EA   14J8H   FGKBH          FGK          1
141 EMERGENCY ON-OFF                   FGL            FGF            AAAAAAAAA
141 EMERGENCY ON-OFF                   FGL            FGN            FAAAAAAAAA
141 EMERGENCY SWITCH 2EA       98148   FGLXR          FGL          1
141 CONTROL                            FGM            FGL            AAAAAAAAA
141 CONTROL                            FGM            FGP            FAAAAAAAAA
141 STALL PREVENTION SW 2EA    14J8D   FGMBD          FGM          1
141 STALL SYSTEM INDICATE              FGN            FGQ            111111111
141  CONTROL UNIT              44B8A   FGNBA          FGN          1
141  LIGHT ASSY MASTER CAUTION 44B3B   FGNBB          FGN          1
141 INDICATOR LIGHT 2EA        44B3C   FGNBC          FGN          1
141 PUSHER OFF                         FGP            FGQ            111111111
141  CONTROL UNIT              44B8A   FGPBA          FGP          1
141  LIGHT ASSY MASTER CAUTION 44B3C   FGPBB          FGP          1
141 INDICATOR LIGHT            44B8C   FGPBC          FGP          1
141PILOT ACTION                        FGQ            FGM            AAAAAAAAA
141 HEATER,DEFAULT INDICATE            FGS            FGQ    I FGK   111111111
141 WIRING                     14J8F   FGSBE          FGS          1
141 LIGHT,HTR FAULTED 2EA      14J8J   FGSBJ          FGS          1
141 FLAPS POSITION INPUTS              FGT            FGF            AAAAAAAAA
141 MANUAL STALL PREVENTION            FGU            FGV      FGB   111111111
141 STALL PREVENTION                   FGV            FGX            111111111
141 PANEL ASSY          14JAB 14JAA    FGVAA          FGV          1
141 PANEL ASSY          14JAA 14JAB    FGVAB          FGV          1
141 PANEL ASSY          14JAD 14JAC    FGVAC          FGV          1
141 PANEL ASSY          14JAC 14JAD    FGVAD          FGV          1
141 BRACKET ASSY               14JAE   FGVAE          FGV          0
141 BRACKET ASSY               14JAF   FGVAF          FGV          0
141 BRACKET                    14JAG   FGVAG          FGV          0
141 BRACKET                    14JAH   FGVAH          FGV          0
141 WIRING                     14J8E   FGVBE          FGV          1
141 STALL PREVENTION ATTEN             FGX            FDM            073111130
141 AFCS/YAW DAMPER MODE               FHA            FCJ            001111100
141 SERVO VALVE INPUT LEVER 2EA9952N   FHAXN          FHA          1
141 YAW DAMPER SERVOING                FHB            FHA            AAAAAAAAA
141 YAW DAMPER SERVO ACTUATOR 252ACA   FHBCA          FHB          1
141 MOUNT YAW DAMPER SERVO     252ACB  FHBCB          FHB          1
141 CLUTCH 2EA                 52ACF   FHBCF          FHB          1
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141YAW DAMPER C.I.P.                    FHC         C8FY          FAAAAAAAAA
141 YAW DAMPER COMPUTATIONS             FHC         FHC            AAAAAAAAA
141 YAW DAMPER COMPUTATIONS             FHC         FJC           FAAAAAAAAA
141 YAW DAMPER COMPUTATIONS             FHC         FLA           F111111111
141 COMPUTER,DUAL YAW DAMPER   52CCC    FHCB        FHC            B
141 SERVO DRIVE                52BBA    FHCBA       FHC            A
141 SW ASSY NO 2               52BBB    FHCBB       FHC            A
141 ADAPTER                    52BBC    FHCBC       FHC            A
141 COMPARITOR                 52BBD    FHCBD       FHC            A
141 SW ASSY NO 1               52BBE    FHCBE       FHC            A
141 FILTER                     52BBF    FHCBF       FHC            A
141 POWER SUPPLY               52BBG    FHCBG       FHC            A
141 SIMULATOR                  52BBH    FHCBH       FHC            A
141 YAW DAMPER CONTROL                  FHD         FHC              AAAAAAAAA
141 CONTROL,DUAL YAW DAMPER    52ACC    FHDCC       FHD            A
141 SINGLE AXIS RATE SENSING            FHE         FGF              AAAAAAAAA
141 SINGLE AXIS RATE SENSING            FHE         FHC              AAAAAAAAA
141 GYRO-SINGLE AXIS RFA       52ACD    FHECD       FHE            A
141 BRUSHES                    52ACE    FHECE       FHE            A
141 SYSTEM 3 PLUMBING          14ECJ    FHHCJ       FDH            1
141 EMERGENCY ACTUATOR         99140    FHHCP       FDH            A
141 SYSTEM 3 PRESSURE SWITCH   14EDD    FHHDD       FDH            A
141 SYSTEM 3 WIRING            14EDL    FHHDL       FDH            1
141 AFCS AILERON CONTROL                FJA         FJAZZ            111111111
141 AILERON SERVO ACTUATOR     52ABA    FJABA       FJA            A
141 MOUNT,SERVO                52ABB    FJABB       FJA            1
141 PULLEY                     52ABC    FJABC       FJA            1
141 CABLE                      52ABD    FJABD       FJA            A
141ATTENUATION                          FJAZZ       FEH              111111111
141 ROLL COMPUTATIONS                   FJB         FHC              AAAAAAAAA
141 ROLL COMPUTATIONS                   FJB         FJA              AAAAAAAAA
141 ROLL COMPUTATIONS                   FJB         FLA             F111111111
141 COMPUTER,AILERON           52BAC    FJBA        FJB            B
141 INTEGRATOR,PITCH           52BAA    FJBAA       FJB            A
141 SERVO DRIVE                52BAB    FJBAB       FJB            A
141 COUPLER,ROLL               52BAC    FJBAC       FJB            A
141 SERVO PRE-AMP              52BAD    FJBAD       FJB            A
141 POWER SUPPLY               52BAE    FJBAE       FJB            A
141 SYNC-ROLL AND PITCH        52BAF    FJBAF       FJB            A
141 SYNC-COMPASS               52BAG    FJBAG       FJB            A
141 MODIFIED LIMITER           52BAH    FJBAH       FJB            A
141 ADAPTER                    52BAK    FJBAK       FJB            A
141 AILERON POSIT TRANSMISSION          FJC         FJB              AAAAAAAAA
141 POSITION TRANSMITTER       52ABE    FJCBE       FJC            A
141 NAVIGATIONAL LAT CONTROL            FJD         FJB              111111111
141 AFCS PITCH CONTROL                  FKA         FDK              0011111DD
141 AFCS PITCH CONTROL                  FKA         FTJ              0011111DD
141 ELEVATOR SERVO ACTUATOR    52ADA    FKADA       FKA            A
141 MOUNT,ELEVATOR SERVO       52ADB    FKADB       FKA            1
141 PULLEY                     52ADC    FKADC       FKA            A
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141 CABLE                          52ADD   FKADD          FKA          A
141 CLUTCHES                       52ADE   FKADE          FKA          A
141 PITCH COMPUTATION                      FKB            FKA          AAAAAAAAA
141 PITCH COMPUTATION                      FKB            FLA          F111111M11
141 VERTICAL GYRO ASA              52AAF   FKBAF          FKB          A
141 COMPUTER,ELEVATOR              52ECB   FKBC           FKB          B
141 INTEGRATOR,PITCH               52BCA   FKBCA          FKB          A
141 COUPLER                        52CCB   FKBCB          FKB          A
141 SERVO TRIM DRIVE               52BCC   FKBCC          FKB          A
141 SWITCHING ASSY                 52BCD   FKBCD          FKB          A
141 VERSINE LIMITER                52ECE   FKBCE          FKB          A
141 SYNC,ROLL AND PITCH            52BCF   FKBCF          FKB          A
141 ATTITUDE,PITCH                 52ECG   FKBCG          FKB          A
141 POWER SUPPLY                   52BCH   FKBCH          FKB          A
141 ADAPTER                        52BCJ   FKBCJ          FKB          A
141 FLAP POSITION INPUTS                   FKC            FKB          C10000010
141 FLAP POSITION SWITCH           14GDD   FKCDD          FKC          A
141 NAVIGATIONAL PITCH CONTROL             FKD            FKB          111111111
141 AUTO PILOT SERVO ESPONT                FLA            FLF          111111111
141 INDICATOR AFCS TRIM            52AAB   FLAAB          FLA          A
141  CONTROL                               FLB            DDBE          FAAAAAAAAA
141 CONTROL                                FLB            FJB          AAAAAAAAA
141 CONTROL                                FLB            FKB          AAAAAAAAA
141 CONTROL PANEL                  52AAA   FLBAA          FLB          A
141 AUTOPILOT DISENGAGE SWITCH     52AAE   FLBAE          FLB          A
141 JUNCTION BOX ASSY              52AAG   FLBAG          FLB          B
141 TERMINAL STRIP                 52AAH   FLBAH          FLB          1
141 DIODE RECTIFIER                52AAJ   FLBAJ          FLB          1
141 CONVERTER                      52AAK   FLBAK          FLB          A
141 CONTROLLER                     52AAL   FLBAL          FLB          A
141 WIRING                         52AAM   FLBAM          FLB          1
141 TWO AXIS RATE SENSING                  FLC            FJB          AAAAAAAAA
141 TWO AXIS RATE SENSING                  FLC            FKB          AAAAAAAAA
141 GYRO,TWO AXIS RATE ASA         52AAC   FLCAC          FLC          A
141 CONTROL WHEEL STEERING ROLL            FLD            FJB          111111111
141 CONTROL WHEEL SENSOR           52AAD   FLDAD          FLD          A
141 ROLL CONTROL WHEEL             52BAJ   FLDAJ          FLD          A
141 PILOT ACTION                           FLF            FHA    I FH9 AAAAAAAAA
141 PILOT ACTION                           FLF            FJA    I FJB AAAAAAAAA
141 PILOT ACTION                           FLF            FKA    I FK9 AAAAAAAAA
141 CONTROL WHEEL STEERING PIT             FLG            FKB          111111111
141 CONTROL WHEEL SENSOR           52AAD   FLGAD          FLG          A
141 PITCH CONTROL WHEEL            52BCK   FLGCK          FLG          A
141 STABILIZER PITCH TRIM                  FT             FD           04434340J
141 STABILIZER PITCH TRIM                  FT             FTK          FAAAAAAAAA
141 TRIM ACTUATION                         FTA            FT           AAAAAAAAA
141 BEARINGS                       14FAJ   FTAAJ          FTA          1
141 PITCH TRIM ACTUATOR ASSY       14FAM   FTAAM          FTA          1
141 HYDRO-MECHANICAL DRIVE                 FTB            FTA    K FTG AAAAAAAAA
141 CENTERING SPRING               14FAC   FTBAC          FTB          1
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123456789012345678901234567890123456789012345678901234567890123456789012345678
141 HYDRAULIC PLUMBING          14FCA   FTHCA          FTJ          1
141 CLAMPS                      14FCH   FTHCH          FTJ          1
141 SHUTOFF VALVE               14FCC   FTHCC          FTJ          A
141 FLOW CONTROL VALVE          14FCD   FTHCD          FTJ          A
141 FILTER                      14FCE   FTHCE          FTJ          1
141 FILTER ELEMENT              14FCF   FTHCF          FTJ          1
141 BY-PASS VALVE               14FCG   FTHCG          FTJ          A
141 ACTUATOR CONTROL VALVE      14FCJ   FTHCJ          FTJ          A
141 HYDRO-MECHANICAL DRIVEUNIT  9914H   FTHZD          FTH          A
141 ELECTR-HYD TRIM CONTROL             FTC            FTB    FTD   1111111111
141 LIMIT SWITCHES 3 EACH       14FBC   FTCBC          FTC          A
141 MACH TRIM DISENGAGE RELAY   14FBF   FTCBF          FTC          1
141 AUTO-PILOT DISENGAGE RELAY  14FBF   FTCBFA         FTC          1
141 STALL PREVENTION CNT RELAY  14FBF   FTCBFB         FTC          1
141 SOLENOID ACTUATOR,CNT VLV   14FBH   FTCBH          FTC          A
141 MOTOR,PITCH TRIM ACTUATOR   14FCH   FTCCH          FTC          A
141 MANUAL-HYD TRIM CONTROL             FTD            FTB          111111111
141 PUSH PULL TUBE              14FAB   FTDAB          FTD          A
141 PULLEY                      14FAE   FTDAE          FTD          A
141 INPUT QUADRANT              14FAF   FTDAF          FTD          A
141 MANUAL DRIVE                14FAG   FTDAG          FTD          A
141 LINKAGE,ACTUATOR INPUT      14FAH   FTDAH          FTD          A
141 TENSION REGULATOR           14FAL   FTDAL          FTD          A
141 LIMIT SWITCHES 3 EACH       14FBC   FTDBC          FTD          A
141 MODE A TRIM INITIATE                FTE            FTC          AAAAAAAAA
141 PILOTS PITCH TRIM SWITCH    14FBA   FTEBA          FTE          5
141 CO-PILOTS PITCH TRIM SW     14FBA   FTEBAA         FTE          5
141 SWITCH,TRIM RESET           14FBD   FTEBD          FTE          A
141 PILOT TRIM DISCONNECT SW    14FBE   FTEBE          FTE          5
141 COPILOT TRIM DISCONNECT SW  14FBE   FTEBEA         FTE          5
141 CIRCUIT BREAKERS 2 EACH     14FBG   FTEBG          FTE          1
141 WIRING,MODE A ELECTRICAL    14FBK   FTEBK          FTE          1
141 MODE B CNSOL TRIM INITIATE          FTF            FTD          AAAAAAAAA
141 LEVER,HYD TRIM CONTROL 2EA  14FAA   FTFAA          FTF          1
141 CABLES                      14FAD   FTFAD          FTF          A
141 QUADRANT,FLIGHT STATION     14FAK   FTFAK          FTF          A
141 TORQUE TUBE                 9914J   FTFZA          FTF          3
141 CENTERING SPRING CARTRIDGE  9914K   FTFZB          FTF          1
141 CENTERING SPRING LEVER      9914L   FTFZC          FTF          1
141 ELECTRO-MECHANICAL DRIVE            FTG            FTA    FTJ   111111111
141 LIMIT SWITCHES 3 EACH       14FBC   FTGBC          FTG          A
141 CLUTCH RELAYS (2EA)         14FBF   FTGBF          FTG          A
141 TRANSFER RELAY              14FBF   FTGBFA         FTG          A
141 MOTOR,PITCH TRIM ACTUATOR   14FBJ   FTGBJ          FTG          A
141 ELECTRO-MECH DRIVE UNIT     9914M   FTGZM          FTG          A
141 COUPLER-ROTATING CLUTCHES   9914N   FTGZN          FTG          A
141 MODE C ELEC TRIM INITIATE           FTH            FTG    K FTJ AAAAAAAAA
141 SWITCH ELEC PITCH TRIM 2EA  14FBB   FTHBB          FTH          1
141 SWITCH,TRIM RESET           14FBD   FTHBD          FTH          A
141 PILOT TRIM DISCONNECT SW    14FBE   FTHBE          FTH          1
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000100001111111111222222222233333333444444444455555555556666666667777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 CO-PILOT TRIM DISCONNECT SW 14FBC   FTHBEA          FTH          1
141 CIRCUIT BREAKER             14F8G   FTHBG           FTH          A
141 TRIM CORRECTION                     FTJ             FTG     FTH  111111111
141 MACH TRIM DISENGAGE RELAY   14FBF   FTJBF           FTJ          A
141 AUTO PILOT DISENGAGE RELAY  14FBF   FTJBFA          FTJ          A
141 STAB POSITION SENSING               FTK             DDBH         FAAAAAAAAA
141 STAB POSITION SENSING               FTK             FKH          AAAAAAAAA
141 STAB POSITION SENSING               FTK             FTKA         AAAAAAAAA
141 STAB POSITION SENSING               FTK             FTL          FAAAAAAAAA
141 STAB POSITION INDICATE              FTKA            FT     I FTA AAAAAAAAA
141 INDICATOR PITCH TRIM        14FDA   FTKADA          FTKA         8
141 TRANSMITTER                 14FDF   FTKDB           FTK          A
141 MACH TRIM COMPENSATION              FTL             FTJ          000111000
141 MACH TRIM COMPENSATION              FTL             FTJ     F    000111000
141 MACH TRIM COMPENSATION              FTL             FTN          F0C0111000
141 POSIT TRANSMITTER SYNCHRO   52AAN   FTLAN           FTL          A
141 RELAY                       14F8F   FTL8F           FTL          A
141 MACH TRIM COMPUTER          9952A   FTLYA           FTL          A
141 MODE SWITCH RELAY           9952B   FTLYB           FTL          A
141 DISCRIMINATOR               9952C   FTLYC           FTL          A
141 OUTPUT RELAY                9952D   FTLYD           FTL          A
141 TRIGGER AMP                 9952E   FTLYE           FTL          A
141 TEST RELAY                  9952F   FTLYF           FTL          A
141 SYNC MOTOR                  9952G   FTLYG           FTL          A
141 SERVO AMPLIFIER             9952H   FTLYH           FTL          A
141 CONTROL TRANSFORMER         9952J   FTLYJ           FTL          A
141 MTC CONTROL                         FTM             FTL          AAAAAAAAA
141 MANUAL TRIM RELAY           14FEF   FTMBF           FTM          A
141 MTC ON-OFF SWITCH           9952K   FTMYK           FTM          A
141 ARMING RELAY AFCS JNC BOX   9952L   FTMYL           FTM          A
141 AFCS RELAY                  9952M   FTMYM           FTM          A
141 MACH TRIM INOP INDICATE             FTN             FDPE         111111111
141  CONTROL UNIT               44F8A   FTNBA           FTN          1
141  LIGHT ASSY MASTER CAUTION  44F8F   FTNBB           FTN          1
141 INDICATOR LIGHT             44B8C   FTNBC           FTN          A
141 FLAP POSITION INPUTS                FTP             FT           010000010
141 STABILIZER ASSY GROUP 1     11HCC   FTXCA           FT           1
141 GROUND CONTROL                      G                            AAAAAAAAA
141 SPEED CONTROL                       GA              G       C    0C0000AA0
141 SPEED CONTROL                       GA              GAX          500000015
141 BRAKES APPLIED                      GAA             GA           A0000000A
141 BRAKES APPLIED                      GAA             GB      K GBA 550000015
141  WHEEL BRAKE ASSY #8 EAC    13DKA   GAAA            GAA          1
141  ROTOR #8 EAC               13DAJ   GAAB            GAA          1
141  STATOR #8EAC               13DAK   GAAC            GAA          1
141  LINKAGE #2 EAC             13DAA   GAAD            GAA          1
141  BELLCRANK #2 EAC           13DAH   GAAE            GAA          1
141  ROD END BEARING #2 EAC     13DAC   GAAF            GAA          1
141  MANUAL GRND BYPASS VALV 6E 13D6G   GAAG            GAA          0
141 SPOILERS DEPLOYED                   GAB             GA           000000010
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000000000111111111122222222233333333344444444455555555556666666677777777773
123456789012345678901234567890123456789012345678901234567890123456789012345
141 REVERSE THRUST                          GAC          GA              00000050
141 NORMAL BRAKING                          GAD          GAA             111111111
141 NORMAL MODE SELECT                      GADA         GAD             AAAAAAAAA
141  BRAKE SELECTOR SWITCH          13DCF   GADAA        GADA          A
141  CONDUIT                        13DCG   GADAB        GADA          1
141  WIRING                         13DCH   GADAC        GADA          1
141 BRAKE FORCE CONTROL                     GADB         GAD             AAAAAAAAA
141 BRAKE FORCE CONTROL                     GADB         GAF             AAAAAAAAA
141  PILOT BRAKE METER VALVE X2<13DBB       GADBA        GADB          5
141 HYD FORCE APPLIED                       GADC         GADB            AAAAAAAAA
141 HYD FORCE APPLIED                       GADC         GADE          FAAAAAAAAA
141  SELECTOR VALVE ASSEMBLY    13DPL       GADCA        GADC          A
141  SHUTTLE VALVE              13DBF       GADCB        GADC          1
141  HYD FUSE .3 EA<            13DBH       GADCC        GADC          1
141  SWIVEL FITTING             13DBJ       GADCD        GADC          1
141  FLEX HOSE                  13DBK       GADCE        GADC          2
141  PLUMBING                   13DBN       GADCF        GADC          2
141 PILOT ACTION                            GADCX        GADC            AAAAAAAAA
141  RUDDER PEDAL ASSY X2 SETS<14CEA        GADCXA       GAA           1
141 ANTI-SKID CONTROL                       GADD         GAD             111111111
141 ANTI-SKID CONTROL                       GADD         GADG          FAAAAAAAAA
141  ANTI SKID VALVE X4 EA<     13DBE       GADDA        GADD          8
141  CONTROL BOX ANTI SKID      13DCS       GADDB        GADD          8
141 NORMAL PRESSURE INDICATED               GADE         GAED            111111111
141  PRESSURE TRANSMITTER       9913A       GADEA        GADE          A
141  PRESSURE INDICATOR         9913B       GADEB        GADE          A
141 ANTI SKID SELECTED                      GADF         GADD            AAAAAAAAA
141 ANTI SKID SELECTED                      GADF         GADG          FAAAAAAAAA
141  ANTI SKID SWITCH           13DCC       GADFA        GADF          A
141 ANTI SKID STATUS                        GADG         GADCX  I GADD   555555555
141  DIMMER RELAY               13DCE       GADGA        GADG          0
141  BRAKE SEL LIGHT X2EA<      13DCD       GADGB        GADG          1
141  SKID DET LIGHT X2 EA<      13DCD       GADGC        GADG          1
141  SKID OFF LIGHT X2 EA<      13DCD       GADGD        GADG          1
141 DECELLERATION  SENSED                   GADH         GADD            AAAAAAAAA
141 DECELLERATION  SENSED                   GADH         GADHX           555555555
141  SKID DETECTORS X8EA<       13DCA       GADHA        GADH          A
141  CONDUIT                    13DCG       GADHB        GADH          0
141  WIRING                     13DCH       GADHC        GADH          1
141 WHEEL ROTATION SENSED                   GADHX        FFLC          FAAAAAAAAA
141 AIRCRAFT TOUCHDOWN                      GADJ         GADD            AAAAAAAAA
141  TOUCHDOWN RELAY            13ACB       GADJA        GADJ          A
141EMERGENCY BRAKING                        GAE          GAA    K GAD    AAAAAAAAA
141 EMERGENCY MODE SELECT                   GAEA         GAE             AAAAAAAAA
141  BRAKE SELECT SWITCH        13DCF       GAEAA        GAEA          A
141  CONDUIT                    13DCG       GAEAB        GAEA          0
141  WIRING                     13DCH       GAEAC        GAEA          1
141 EMER BRAKE FORCE CONTROL                GAER         GAE             AAAAAAAAA
141  MAIN METER VALVE           13DBC       GAEBA        GAEB          8
141  RESTRICTOR                 13DBM       GAEBB        GAEB          1
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0000000001111111111222222222233333333344444444445555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890123456790
141  PILOT VALVE &2 EAC          13EFB   GAEBC          GAEB          5
141 EMER HYD FORCE APPLIED               GAEC           GAEB           AAAAAAAAA
141 EMER HYD FORCE APPLIED               GAEC           GAEE          FAAAAAAAAA
141  NORM SELECTOR VALVE         13DFD   GAECA          GAEC          A
141  SHUTTLE VALVE               13DBF   GAECB          GAEC          1
141  HYDRAULIC ELSE &8 EAC       13DEH   GAECC          GAEC          2
141  SWIVEL FITTING              13DEJ   GAECD          GAEC          2
141  FLEX HOSE                   13DBK   GAECE          GAEC          2
141  PLUMBING                    13DBM   GAECF          GAEC          2
141 PILOT ACTION                         GAED           GAEA           AAAAAAAAA
141 EMER PRESS IND                       GAEE           UHCH           111111111
141  PRESS TRANSMITTER           9913A   GAEEA          GAEE          A
141  PRESS INDICATOR             9913B   GAEEB          GAEE          A
141 PARKING BRAKE                        GAF            GAA            C0J000000
141  HANDLE                      13DAD   GAFA           GAF           1
141  CABLE                       13DAF   GAFB           GAF           8
141  CATCH MECHANISM             13DAG   GAFC           GAF           1
141  BLOCK MECHANISM             13DAH   GAFD           GAF           2
141 ATTENUATION                          GAX            G              111111111
141 DIRECTIONAL CONTROL                  GB             G              110000011
141 NOSEWHEEL STEERING                   GBA            GB             110000011
141 STEERING ACTUATED                    GBB            GBA            AAAAAAAAA
141  ACTUATOR                    13EFA   GBBA           GBB           A
141  SWIVELS                     13EBB   GBBB           GBB           1
141  CHECK VALVE                 13EBD   GBBC           GBB           1
141  PLUMBING                    13EBF   GBBD           GBB           1
141  CONTROL VALVE               13EBH   GBBE           GBB           A
141  COMPENSATOR                 13EBG   GBBF           GBB           3
141 STEERING APPLIED                     GBC            GBA            AAAAAAAAA
141  CABLE                       13EAE   GBCA           GBC           A
141  BRACKET                     13EAF   GBCB           GBC           1
141  TORQUE SHAFT ASSY           13EAH   GBCC           GBC           A
141  BEARING                     13EAJ   GBCD           GBC           A
141  HOUSING                     13EAC   GBCE           GBC           1
141  DISCONNECT                  13EAL   GBCF           GBC           5
141 RUDDER PEDAL STEERING                GBD            GBC            150000051
141  ACTUATOR                    13EBC   GBDA           GBD           8
141  SHUTOFF VALVE               13EBE   GBDB           GBD           A
141  RUDDER PEDAL ASSY           14CBA   GBDC           GBD           1
141  SPROCKET                    13EAG   GBDD           GBD           8
141 MANUAL STEERING                      GBE            GBC            510000015
141  COLUMN ASSY                 13EAA   GBEA           GBE           1
141  INDICATOR ASSY              13EAH   GBEB           GBE           0
141  PANEL                       13EAK   GBEC           GBE           1
141  ADAPTER                     13EAD   GBED           GBE           1
141 STEERING ENABLED                     GBF            GBA            AAAAAAAAA
141 JUNCTION BOX                 42HAE   HAQG           UAQ           1
141 LANDING GEAR                         L                             AAAAAAAAA
141 GEAR EXTEND                          LA             L              000000A0
141 GEAR EXTEND                          LA             LEF           FAAAAAAAAA
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000000000011111111112222222223333333334444444445555555556666666667777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 MAIN LAND GEAR EXTEND                  LAA          LA                AAAAAAAAA
141 MAIN LAND GEAR EXTEND                  LAA          LAA               AAAAAAAAA
141  ROBT PIN                    13AA4     LAAAAD       LAA          A
141  LINK ASSY                   13AAB     LAAAAB       LAA          A
141  TORQUE ARM LOWER            13AAD     LAAAD        LAA          A
141  TORQUE ARM UPPER            13AAE     LAAAE        LAA          A
141  BOGIE BEAM ASSEMBLY         13AAM     LAAAM        LAA          A
141  BOGIE BEAM LEVELER ASM      13AAN     LAAAN        LAA          A
141  ATTACH LINK                 13AAU     LAAAU        LAA          A
141  BOGIE BEAM PIVOT PIN        13AAV     LAAAV        LAA          A
141  FREE FALL                             LAB          LAA     K LAC     AAAAAAAAA
141  DUMMY WOC                   99999     LABK         LAB          0
141  NORMAL MLG EXTEND                     LAC          LAA     LAB       111111111
141  DOWN SEQUENTIAL FUSE        13AEG     LACBG        LAC          A
141  VALVE DOWNLOCK SELECTOR     13AEM     LACBM        LAC          A
141 MLG DOWNLOCK                           LAD          LAA               AAAAAAAAA
141  DRAG BRACE AFT              13AAJ     LADAJ        LAD          A
141  DOWNLOCK ASSY               13AAL     LADAL        LAD          A
141  EXTENSION UNIT DOWNLOCK     13ABL     LADBL        LAD          A
141 EMERGENCY DOWNLOCK                     LAE          LAD     K LAL     222222222
141  HANDLE ASSY                 13EDA     LAEDA        LAE          A
141  SHAFT ASSY                  13EDB     LAEDB        LAE          A
141  BELLCRANK                   13EDC     LAEDC        LAE          A
141  SPRING                      13EDE     LAEDE        LAE          0
141  STOP ASSY                   13EDF     LAEDF        LAE          1
141  PIN-UNLOCK DISCONNECT       13EDG     LAEDG        LAE          0
141  FITTING-REAR DWNLOCK ENGGE  13EDH     LAEDH        LAE          A
141 MLG UPLOCK RELEASE                     LAF          LAA               AAAAAAAAA
141  UPLOCK ASSY                 13AAK     LAFAK        LAF          A
141 EMERGENCY UPLOCK RELEASE               LAG          LAF     K LAL     AAAAAAAAA
141  HANDLE RELEASE              13FAA     LAGAA        LAG          A
141  BELL CRANK                  13FAB     LAGAB        LAG          A
141  SEAL,PRESSURE BULKHEAD      13FAC     LAGAC        LAG          0
141  CABLE                       13FAD     LAGAD        LAG          A
141  SPRING                      13FAE     LAGAE        LAG          1
141  PULLEY                      13FAF     LAGAF        LAG          1
141  BRACKET                     13FAG     LAGAG        LAG          0
141 MLG DOORS UNLOCK                       LAH          LAA               AAAAAAAAA
141 EMERGENCY DOORS UNLOCK                 LAJ          LAH     K LAL     AAAAAAAAA
141  HANDLE,RELEASE              13FAA     LAJAA        LAJ          A
141 HYDRAULIC ATTENUATION                  LAK          L                 010000050
141 DOWN ACTUATION                         LAL          LAC               AAAAAAAAA
141 DOWN ACTUATION                         LAL          LAD       LAE     F111111111
141 DOWN ACTUATION                         LAL          LAF       LAG     F111111111
141 DOWN ACTUATION                         LAL          LAH       LAJ     F111111111
141  MLG SELECTOR VALVE          13A9A     LALBA        LAL          A
141  MLG ACTUATOR                13AbA     LALBB        LAL          A
141  MLG DOWNLOCK ACTUATOR       13AbC     LALBC        LAL          A
141  MLG UPLOCK ACTUATOR         13AbD     LALBD        LAL          A
141 FLOW REGULATOR               13AbE     LALBE        LAL          2
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0000000001111111111222222222333333334444444455555555566666666677777777788
1234567890123456789012345678901234567890123456789012345678901234567890123
141  CHECK VALVE                  13ABF   LALBF              LAL              1
141  TANK BEAM POSITION           13ABH   LALBH              LAL              2
141  FILLER VALVE TANK            13ABJ   LALBJ              LAL              1
141  CYLINDER BEAM POSITIONER     13ABK   LALBK              LAL              2
141  SWIVEL FITTING               13ABN   LALBN              LAL              5
141  PLUMBING                     13ABP   LALBP              LAL              1
141  VALVE,SEL.NLG DOOR UPLOCK    13ABQ   LALBQ              LAL              A
141  CONTROL VALVE,FLAPPER DR     13ABR   LALBR              LAL              A
141  ACTUATOR,FLAPPER DOOR        13ABS   LALBS              LAL              A
141  HOSE ASSY LOCK ACTUATOR      13ABT   LALBT              LAL              1
141  HOSE ASSY ACTUATOR           13ABU   LALBU              LAL              1
141 CONTROL OVERIDE PLG                   LAM                LAL    K LAN      AAAAAAAAA
141  CONTROL OVRIDE BUTTONS       9913C   LANZC              LAM              A
141 LAND GEAR EXTEND CONTOL               LAN                LAL      LAM      111111111
141 LAND GEAR EXTEND CONTOL               LAN                LAP      LAR     F111111111
141 LAND GEAR EXTEND CONTOL               LAN                LEE              FAAAAAAAAA
141  CONTROL PANEL                13CAA   LANAA              LAN              1
141  SOLENOID HANDLE RELEASE      13CAC   LANAC              LAN              A
141  WIRING                       13CAL   LANAL              LAN              1
141  DOWN LIMIT SWITCH            13ACD   LANCD              LAN              A
141 NOSE LAND GEAR EXTEND                 LAP                LA                AAAAAAAAA
141 NOSE LAND GEAR EXTEND                 LAP                LEC              FAAAAAAAAA
141  TORQUE ARM ASSY UPPER        12BAE   LAPAE              LAP              A
141  TORQUE ARM ASSY LOWER        13BAF   LAPAF              LAP              A
141  DISCONNECT PIN TORQUE ARM    13BAG   LAPAG              LAP              A
141  DRAG LINK TRUNION            13BAH   LAPAH              LAP              A
141  BUSHING STRUT TRUNION        12BAJ   LAPAJ              LAP              A
141  UPLOCK/DOWNLOCK ASSY         13BAK   LAPAK              LAP              A
141  ROD END BEARING              13BAL   LAPAL              LAP              2
141  ORIFICE ASSY. STRUT          13BAM   LAPAM              LAP              1
141  TRUNION ASSY. STRUT          13BAP   LAPAP              LAP              4
141  BUMPER LOWER TORQUE ARM      12BAQ   LAPAQ              LAP              A
141  ARM ASSY DOOR                13BAR   LAPAR              LAP              A
141  DRAG LINK FORWARD            13BAS   LAPAS              LAP              A
141  DRAG LINK AFT                13BAT   LAPAT              LAP              A
141  BEARING DRAG LINK TRUNION    13BAV   LAPAV              LAP              A
141  BELLCRANK UP-DOWN LOCK       13BAW   LAPAW              LAP              A
141  NLG ACTUATOR                 13BBA   LAPBA              LAP              A
141  UP-DOWN LOCK ACTUATOR        13BBB   LAPBB              LAP              A
141  FLOW REGULATOR               13BBC   LAPBC              LAP              2
141  SWIVEL FITTING               13BBD   LAPBD              LAP              5
141  VALVE SELECTOR               13BBE   LAPBE              LAP              A
141  VALVE CHECK                  13BBF   LAPBF              LAP              2
141  VALVE PRESS REDUCER          13BBG   LAPBG              LAP              2
141  PLUMBING                     13BBH   LAPBH              LAP              1
141  HOSE ASSY LOCK ACTUATOR      13BBJ   LAPBJ              LAP              A
141  HOSE ASSY ACTUATOR           13BBK   LAPBK              LAP              A
141 LAND GEAR RETRACT CONTROL             LAQ                LBB               AAAAAAAAA
141 LAND GEAR RETRACT CONTROL             LAQ                LBE              FAAAAAAAAA
141  CONTROL PANEL                13CAA   LAQAA              LAQ              1
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000000000111111111122222222233333333444444444455555555566666666677777777778
123456789012345678901234567890123456789012345678901234567890123456789012345670
141  SELECTED HANDLE RELEASE      12CAL    LAQAC          LAQ          A
141  WIRING                       13CAL    LAQAL          LAQ          1
141  UP LIMIT SWITCH              13ACC    LAQCC          LAQ          A
141 EMERGENCY EXTEND NLG                   LAR            LAP    K LAN     AAAAAAAAA
141  HANDLE RELEASE               13FBA    LARBA          LAR          A
141  SYSTEM HYD RESERVOIR         13FCA    LARCA          LAR          1
141  PUMP                         13FCB    LARCB          LAR          A
141  HANDLE-PUMP                  13FCC    LARCC          LAR          1
141  VALVE,PRES SELECTOR          13FCD    LARCD          LAR          A
141  FILTER                       13FCE    LARCE          LAR          1
141  VALVE,SHUTTLE                13FCF    LARCF          LAR          1
141  VALVE,RELIEF                 13FCG    LARCG          LAR          1
141  VALVE,CHECK                  13FCH    LARCH          LAR          1
141  PLUMBING                     13FCJ    LARCJ          LAR          1
141 PILOT ACTION                           LAS            LAM            AAAAAAAAA
141 PILOT ACTION                           LAS            LAR          FAAAAAAAAA
141 GEAR RETRACT                           LB             LBZ            111111111
141 MAIN LAND GEAR RETRACT                 LBA            LB             AAAAAAAAA
141 MLG RETRACT                            LBA            LEB          FAAAAAAAAA
141  ROOT PIN                     13AA4    LBAAAD         LBA          A
141  LINK ASSY                    13AAB    LBAAAH         LBA          A
141  TORQUE ARM LOWER             13AAD    LBAAD          LBA          A
141  TORQUE ARM UPPER             13AAE    LBAAE          LBA          A
141  BOGIE BEAM ASSY              13AAM    LBAAM          LBA          A
141  BOGIE BEAM LEVELER ARM       13AAN    LBAAN          LBA          A
141  ATTACH LINK                  13AAU    LBAAU          LBA          A
141  BOGIE BEAM PIVOT PIN         13AAV    LBAAV          LBA          A
141 UP ACTUATION                           LBB            LBA            AAAAAAAAA
141  MLG SELECTOR VALVE           13AFA    LBBBA          LBB          A
141  MLG ACTUATOR                 13AFB    LBBCB          LBB          A
141  FLOW REGULATOR               13AFE    LBBBE          LBB          2
141  CHECK VALVE                  13AFF    LBBBF          LBB          1
141  TANK BEAM POSITION           13AFH    LBBBH          LBB          2
141  FILLER VALVE TANK            13AFJ    LBBBJ          LBB          1
141  CYLINDER BEAM POSITIONER     13AFK    LBBBK          LBB          2
141  SWIVEL FITTING               13AFN    LBBBN          LBB          5
141  PLUMBING                     13AFP    LBBBP          LBB          1
141  HOSE ASSY LOCK ACTUATOR      13AFT    LBBBT          LBB          1
141  HOSE ASSY ACTUATOR           13AFU    LBBBU          LBB          1
141 UPLOCK ENGAGE                          LBC            LBA            AAAAAAAAA
141  UPLOCK ASSY                  13AAK    LBCAK          LBC          A
141  MLG UPLOCK ACTUATOR          13AED    LBCBD          LBC          A
141  UPLOCK SWITCH                13ACF    LBCCF          LBC          A
141 DOWNLOCK RELEASE                       LBD            LBA            AAAAAAAAA
141  DOWNLOCK ASSY                13AAL    LBDAL          LBD          A
141  MLG DOWNLOCK ACTUATOR        13AFC    LBDBC          LBD          A
141 NOSE LANDING GEAR RETRACT              LBE            LB             AAAAAAAAA
141 NOSE LANDING GEAR RETRACT              LBE            LED          FAAAAAAAAA
141  TORQUE ARM ASSY UPPER        13BAE    LBEAE          LBE          A
141  TORQUE ARM ASSY LOWER        13BAF    LBEAF          LBE          A
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123456789012345678901234567890123456789012345678901234567890123456789012345678
141  DISCONNECT PIN, TORQUE ARM  13BAG   LBEAG          LBE          A
141  DRAG LINK TRUNION           13BAH   LBEAH          LBE          A
141  BUSHING STRUT TRUNION       13BAJ   LBEAJ          LBE          A
141  UPLOCK/DOWNLOCK ASSY        13BAK   LBEAK          LBE          A
141  ROD END BEARING             13BAL   LBEAL          LBE          2
141  ORIFICE ASSY STRUT          13BAM   LBEAM          LBE          1
141  TRUNION ASSY STRUT          13BAP   LBEAP          LBE          A
141  BUMPER LOWER TORQUE ARM     13BAQ   LBEAQ          LBE          A
141  ARM ASSY DOOR               13BAR   LBEAR          LBE          A
141  DRAG LINK FORWARD           13BAS   LBEAS          LBE          A
141  DRAG LINK AFT               13BAT   LBEAT          LBE          A
141  BEARING DRAG LINK TRUNION   13BAV   LBEAV          LBE          A
141  BELL CRANK UP-DOWN LOCK     13BAW   LBEAW          LBE          A
141  MLG ACTUATOR                13BBA   LBEBA          LBE          A
141  UP-DOWN LOCK ACTUATOR       13BBB   LBEBB          LBE          A
141  FLOW REGULATOR              13BBC   LBEBC          LBE          2
141  SWIVEL FITTING              13BBD   LBEBD          LBE          5
141  VALVE SELECTOR              13BBE   LBEBE          LBE          4
141  VALVE CHECK                 13BBF   LBEBF          LBE          2
141  VALVE PRESSURE REDUCER      13BBG   LBEBG          LBE          2
141  PLUMBING                    13BBH   LBEBH          LBE          1
141  HOSE ASSY LOCK ACTUATOR     13BBJ   LBEBJ          LBE          A
141  HOSE ASSY ACTUATOR          13BBK   LBEBK          LBE          A
141 DOORS LOCKED                         LBF            LBA            AAAAAAAAA
141  VALVE,SEL MLG DOOR UPLOCK   13AFQ   LBFBQ          LBF          A
141  CONTROL VLV,FLAPPER DOOR    13AFR   LBFBR          LBF          A
141  ACTUATOR,FLAPPER DOOR       13AFS   LBFBS          LBF          A
141 RETRACT ATTENUATION                  LBZ            L              010000000
141 MAIN LAND GEAR SUPPORT               LC             L              AA0000CAA
141  STRUT                       13AAA   LCAAA          LC           A
141 SPACER,WHEEL FORWARD         13AA1   LCAAAA         LC           2
141 SPACER,AXEL FORWARD          13AA2   LCAAAB         LC           2
141 SPACER,AXEL AFT              13AA3   LCAAAC         LC           2
141 BEARING MLG UPPER            13AA6   LCAAAF         LC           2
141 STATIC GROUND WIRE           13AA7   LCAAAG         LC           0
141  PISTON ASSEMBLY             13AAB   LCAAB          LC           A
141  STRUT INFLATION VALVE       13AAC   LCAAC          LC           0
141  BRAKE LINK AFT              13AAF   LCAAF          LC           A
141  BRAKE LINK FORWARD          13AAG   LCAAG          LC           A
141 BRAKE LINK FORWARD           13AAH   LCAAH          LC           A
141  AXLE                        13AAP   LCAAP          LC           A
141  BEAM POSITIONER             13AAQ   LCAAQ          LC           A
141  SHAFT ASSY MLG SUPPORT      13AAR   LCAAR          LC           A
141  DRAG BRACE LOWER            13AAS   LCAAS          LC           A
141  DRAG BRACE UPPER            13AAT   LCAAT          LC           A
141  BUSHING                     13AAW   LCAAW          LC           2
141  SHAFT DRAG BRACE            13AAX   LCAAX          LC           A
141  SPACER,AFT MLG WHEEL        13AAY   LCAAY          LC           2
141  NUT ASSY,MLG                13AAZ   LCAAZ          LC           A
141  MAIN GEAR OUTBOARD DOORS    11EA0   LCEAA          LC           2
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141  MAIN GEAR INBOARD DOORS      11EAD   LGEBA          LG          2
141  SLED DOORS                   11ECD   LGEC4          LG          2
141  WHEEL,2 EACH                 13GAA   LGGAA          LG          2
141  WHEEL BEARINGS               13GAB   LGGAB          LG          1
141  TIRE,SMOOTH  REACH 13GAB     13GAC   LGGAC          LG          2
141  TIRE,ICE GRIP REACH 13GAC    13GAD   LGGAD          LG          2
141  TIRE INFLATION VALVE         13GAE   LGGAE          LG          0
141  TIRE BLOW-OUT DISC           13GAF   LGGAF          LG          1
141  BEARING CUP                  13GAG   LGGAG          LG          1
141  RETAINER CUP                 13GAH   LGGAH          LG          1
141 NOSE LANDING GEAR SUPPORT             LD             L             AAJOJOCAA
141  STRUT                        13BAA   LDBAA          LD          A
141  PISTON                       13BAB   LDBAB          LD          A
141  STRUT INFLATION VALVE        13BAC   LDBAC          LD          0
141  AXEL                         13BAD   LDBAD          LD          A
141  BUSHING,STEERING PISTON      13BAN   LDBAN          LD          2
141  NUT ASSY NLG                 13BAU   LDBAU          LD          A
141  FORWARD NLG DOOR             11EDO   LDEDA          LD          2
141  AFT NLG DOOR                 11EEO   LDEEA          LD          2
141  WHEEL                        13GBA   LDGBA          LD          7
141  WHEEL BEARING                13GBB   LDGBB          LD          1
141  TIRE                         13GBC   LDGBC          LD          2
141  TIRE INFLATION VALVE         13GBD   LDGBD          LD          0
141  TIRE BLOW-OUT DISC           13GBE   LDGBE          LD          1
141  BEARING CUP                  13GBF   LDGBF          LD          1
141  RETAINER CUP                 13GBG   LDGBG          LD          1
141 INDICATE NLG EXTEND                   LEA            LAS           111111111
141  GEAR POSITION SWITCH         13ACE   LEACE          LEA         A
141  NLG POSITION INDICATOR       13ADA   LEADA          LEA         A
141  NLG AXLE BEAM POS IND        13ADB   LEADB          LEA         A
141 INDICATE NLG RETRACT                  LEB            LBZ   I LB    AAAAAAAAA
141  BEAM POSITION SWITCH         13ACF   LEBCF          LEB         A
141  NLG POSITION INDICATOR       13ADA   LEBDA          LEB         A
141  NLG AXLE BEAM POS IND        13ADB   LEBDB          LEB         A
141 NOSE GEAR POSITION INDICATE           LEC            FGF           AAAAAAAAA
141 INDICATE NLG EXTEND                   LEC            LAS           111111111
141  SWITCH NLG                   13BCA   LECCA          LEC         A
141  SWITCH NLG NOT LOCK          13BCB   LECCB          LEC         A
141  WIRING                       13BCC   LECCC          LEC         1
141 INDICATE NLG RETRACT                  LED            LBZ   I LB    AAAAAAAAA
141  SWITCH NLG                   13BCA   LEDCA          LED         A
141  SWITCH NLG NOT LOCK          13BCB   LEDCB          LED         A
141  WIRING                       13BCC   LEDCC          LED         1
141 LAND GEAR WARNING                     LEE            LAS           111111111
141  WARNING LIGHTS               13CAB   LEEAB          LEE         1
141  WARNING HORN                 13CAD   LEEAD          LEE         1
141  RELAY,HORN SILENCE           13CAE   LEEAE          LEE         1
141  RELAY,SILENCER               13CAF   LEEAF          LEE         0
141  SWITCH,TEST                  13CAG   LEEAG          LEE         0
141  SWITCH,HORN SILENCE          13CAH   LEEAH          LEE         0
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141  SWITCH QUADRANT              13CAJ   LEFAJ          LEE          1
141  RECTIFIER                    13CAK   LEFAK          LEE          1
141  WIRING                       13CAL   LEFAL          LEE          1
141 TOUCHDOWN INDICATE                    LEF            DDBF           AAAAAAAAA
141 TOUCHDOWN INDICATE                    LEF            EEB            AAAAAAAAA
141 TOUCHDOWN INDICATE                    LEF            GBF            AAAAAAAAA
141 TOUCHDOWN SWITCH              13ACA   LEFCA          LEF          A
141 TOUCHDOWN RELAY               13ACB   LEFCB          LEF          A
141 JUNCTION BOX ASSY             13ACG   LEFCG          LEF          1
141 WIRING                        13ACH   LEFCH          LEF          1
141MISSION SUPPORT                        M                             AAAAAAAAA
141 ATTENUATION                           MA             M              111111111
141 ATTENUATION                           MB             MA             111111111
141 TRANSPORTATION                        MC             MB             021111120
141  PERSONNEL                            MCA            MC             AAAAAAAAA
141   TROOPS                              MCAA           MCA            000000000
141    SEAT ASSY                  12FFC   MCAAA          MCAA         1
141  CASUALTIES                           MCAB           MCA            000000000
141   STANTION KIT               12FCC   MCABA          MCAB         1
141   LITTER PROVISION KIT       12FDC   MCABB          MCAB         1
141   LOADING KIT                12FEC   MCABC          MCAB         1
141  CARGO                                MCB            MC             AAAAAAAAA
141   CHANNEL ASSY TIE DOWN      12CAF   MCBA           MCB          1
141   INSULATION BLANKET         12CAH   MCBB           MCB          0
141   LOCKER CHAIN STOWAGE       12CAK   MCBC           MCB          0
141   WALKWAY                    12CAL   MCBD           MCB          0
141   ANTI-SLIP CARGO FLOOR      12CAM   MCBE           MCB          0
141   TRIM PANEL                 12CAN   MCBF           MCB          0
141   TRACK ASSY STOWAGE         12CAP   MCBG           MCB          0
141   ROLLER CONVEYOR ASSY       12CAQ   MCBH           MCB          0
141   10000 LB QUICK DISCONNECT  12CAU   MCBJ           MCB          1
141   STOWAGE RACK FITTING       12CAV   MCBK           MCB          0
141   TIE DOWN RECEPTACLE        12CAW   MCBL           MCB          1
141   25000 LB CARGO TIE DOWN    12CAZ   MCBM           MCB          1
141  SUPPORT EQUIPMENT                    MD             MB             000000000
141   CREW GALLY                 49DAD   MDA            MD           1
141   CREW TOILETS               49DCC   MDB            MD           1
141   CREW TOILET ELECTRICAL     49DED   MDC            MD           1
141   PORTABLE BUFFET            49GAC   MDD            MD           0
141   PORTABLE TOILET            49GBC   MDE            MD           0
141  AIR DROP                             ME             MB             000011110
141   CARGO                               MEA            ME             AAAAAAAAA
141   TROOPS                              MEB            ME             AAAAAAAAA
141    DOORS AND JUMP PLATFORMS           MEBA           MEB            000000000
141     FRAME                    11CBA   MEBAA          MEBA         1
141     SKIN                     11CBB   MEBAB          MEBA         0
141     HANDLE ASSY              11CBD   MEBAC          MEBA         1
141     WINDOW                   11CBE   MEBAD          MEBA         0
141     NEGATOR SPRING           11CBF   MEBAE          MEBA         1.
141     DRUM                     11CBG   MEBAF          MEBA         1
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141	CABLE	11C9H	MEDAG	MEBA	1
141	HOUSING	11C9J	MEDAH	MEBA	0
141	TRACK	11C9K	MEDAJ	MEBA	2
141	STOP ASSY	11C9L	MEDAK	MEBA	1
141	GUIDE ASSY	11C9M	MEDAL	MEBA	1
141	BELL CRANK ASSY	11C9N	MEDAM	MEBA	5
141	EXT HANDLE	11C9P	MEDAN	MEBA	1
141	ROLLER	11C9Q	MEDAP	MEBA	2
141	BAYONET	11C9R	MEDAQ	MEBA	0
141	DOOR RECEPTACLE	11C9S	MEDAR	MEBA	0
141	SWITCH DOOR WARNING	11C9T	MEDAS	MEBA	1
141	BRACKET ROLLER SUPPORT	11C9U	MEDAT	MEBA	2
141	WIRING	11C9V	MEDAU	MEBA	1
141	BRACKET COUNTER BALANCE	11C9W	MEDAV	MEBA	1
141	SEAT KIT SIDEWALL	12FAJ	MEDAW	MEBA	0
141	LEVER ASSY TR DOOR CL	12CAJ	MEDAX	MEBA	A
141	PARACHUTE SYSTEM		MECA	MEB	000000000
141	PARATROOP KIT	12FN0	MECAA	MECA	A
141	DOORS AND RAMP SYSTEM		MED	MEA	AAAAAAAAA
141	CARGO RAMP ASSY	11BAA	MEDA	MED	A
141	HINGE	11BKC	MEDAA	MED	A
141	UPLOCK ASSY	11BKD	MEDAB	MED	A
141	HINGE PIN	11BKE	MEDAC	MED	A
141	LATCH MECH-CLOSED POS	11BKF	MEDAD	MED	A
141	LOCKED IND-CLOSED POS	11BKG	MEDAE	MED	0
141	IND-OPEN POS UPLOCK	11BKH	MEDAF	MED	0
141	PANEL	11BKK	MEDAG	MED	1
141	HOOKS	11BKL	MEDAH	MED	1
141	LATCH PINS	11BKM	MEDAJ	MED	A
141	SWITCH ALL DOORS	11BCA	MEDAK	MED	A
141	SWITCH LIMIT WARNING	11BCB	MEDAL	MED	A
141	SWITCH ARMING ALL DOORS	11BCC	MEDAM	MED	A
141	RELAY	11BCD	MEDAN	MED	A
141	WIRING	11BCE	MEDAP	MED	1
141	HINGE	11BAB	MEDB	MED	A
141	LATCH MECHANISM	11BAC	MEDC	MED	A
141	SKIN	11BAD	MEDD	MED	1
141	LEVER SEQUENCE SWITCH	11BAE	MEDE	MED	A
141	HOOKS	11BAF	MEDF	MED	A
141	TORQUE TUBE	11BAG	MEDG	MED	A
141	ECCENTRIC HOUSING	11BAH	MEDH	MED	A
141	FRAME	11BAJ	MEDJ	MED	1
141	FRAME	11BBA	MEDK	MED	1
141	SKIN	11BDB	MEDL	MED	1
141	HINGE	11BDC	MEDM	MED	1
141	LATCH MECHANISM	11BDD	MEDN	MED	A
141	EYE-BOLT	11BDE	MEDP	MED	A
141	LINK	11BDF	MEDQ	MED	A
141	CAM	11BDH	MEDS	MED	A
141	GEAR BOX	11BDJ	MEDT	MED	A

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141     TORQUE TUBE ASSY          11EDK   MEED        MED          A
141     UNIVERSAL JOINT           11EDL   MEDV        MED          A
141     MONEY COMP PANELING       11EDN   MEDW        MED          C
141     JACKSCREW ACTUATOR        11EEP   MEDX        MED          A
141     F-AME                     11EKA   MEDY        MED          1
141     SKIN                      11EKB   MEDZ        MED          1
141   PETAL DOOR ACTUATION                MEEA        MED                    AAAAAAAAA
141   RAMP ACTUATION              .       MEFA        MED                    AAAAAAAAA
141     ACTUATING CYLINDER        11EBA   MEFAA       MEFA         A
141     VALVE ACTUATING CONTROL   11EBB   MEFAB       MEFA         A
141     CYLINDER LOCK ACTUATING   11EBC   MEFAC       MEFA         A
141     VALVE LOCK ACT CONTROL    11EBD   MEFAD       MEFA         A
141     FLOW REGULATOR            11EBE   MEFAE       MEFA         A
141     VALVE SHUTTLE             11EBF   MEFAF       MEFA         A
141     VALVE CHECK               11EBG   MEFAG       MEFA         1
141     VALVE PRESS RELIEF        11EBH   MEFAH       MEFA         2
141     VALVE PRESS REDUCER       11EBJ   MEFAJ       MEFA         A
141     SWIVEL FITTING            11EBK   MEFAK       MEFA         1
141     PLUMBING                  11EBL   MEFAL       MEFA         1
141   PRESSURE DOOR ACTUATION             MEGA        MED                    AAAAAAAAA
141     ACTUATING CYLINDER        11ELA   MEGAA       MEGA         A
141     VALVE ACT CYL CONTROL     11ELB   MEGAB       MEGA         A
141     ACT CYL CLOSED POS LOCK   11ELC   MEGAC       MEGA         A
141     VALVE LOCK ACT CYL CONT   11ELD   MEGAD       MEGA         A
141     FLOW REGULATOR            11ELE   MEGAE       MEGA         A
141     UPLOCK RELEASE CYLINDER   11ELF   MEGAF       MEGA         A
141     VALVE SHUTTLE             11ELG   MEGAG       MEGA         A
141     VALVE CHECK               11ELH   MEGAH       MEGA         1
141     PLUMBING                  11ELJ   MEGAJ       MEGA         1
141     SWITCH LIMIT-WARNING      11EMA   MEGAK       MEGA         A
141     SWITCH TOGGLE             11EMB   MEGAL       MEGA         A
141     CONTROL RELAY             11EMC   MEGAM       MEGA         A
141     WIRING                    11EMD   MEGAN       MEGA         1
141     NORMAL ACTIVATION                   MEHA        MEEA     MEJA  111111111
141      HYDRAULIC MOTOR          11EEA   MEHAA       MEHA         A
141      VALVE ACTUATOR CONTROL   11EEB   MEHAB       MEHA         A
141      CYLINDER LOCK ACTUATING  11EEC   MEHAC       MEHA         A
141      VALVE LOCK ACT CONTROL   11EED   MEHAD       MEHA         A
141      FLOW REGULATOR           11EEE   MEHAE       MEHA         A
141      PLUMBING                 11EEF   MEHAF       MEHA         1
141      HYDRAULIC STOP VALVE     11EEG   MEHAG       MEHA         A
141      SWITCH LIMIT WARNING     11EFA   MEHAH       MEHA         A
141      SWITCH 55-HL DEGREE      11EFB   MEHAJ       MEHA         A
141      SW PILOTS DOOR SELECT    11EFC   MEHAK       MEHA         1
141      CONTROL RELAY            11EFD   MEHAL       MEHA         A
141      WIRING                   11EFE   MEHAM       MEHA         1
141   MANUAL ACTIVATION                   MEJA        MEEA   K MEHA  AAAAAAAAA
141     GEAR BOX                  11EDJ   MEJAA       MEJA         A
141     HAND CRANK                11EDM   MEJAB       MEJA         A
141   PARACHUTE SYSTEM                    MEL         MEA                    000000000
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141     EXTRACTION CHUTE PLSG    12EAE    MELA              MEL            1
141     HANDLE EXTRACTION CHUTE  12EAG    MELB              MEL            1
141     TENSION REGULATOR        12EAH    MELC              MEL            1
141     CABLE MAN CHUTE RELEASE  12EAJ    MELD              MEL            1
141     UPLOCK EXTRACTION CHUTE  12EAK    MELE              MEL            1
141     WINCH EXTRACTION CHUTE   12EAL    MELF              MEL            1
141     RELAY AND CHUTE RELEASE  12EAA    MELG              MEL            2
141     INITIATOR DEVICE CH EXT  12EAB    MELH              MEL            1
141     INDICATOR LIGHT          12EAC    MELJ              MEL            1
141     SWITCH ADS MAN ARMED     12EAD    MELK              MEL            1
141     SOLENOID AIR DROP REL    12EAE    MELL              MEL            1
141     RELAY ADS ARMING         12EAF    MELM              MEL            2
141     RELAY CHUTE REL LIGHT    12EAG    MELN              MEL            1
141     RELAY RETRIEVER WINCH    12EAH    MELP              MEL            1
141     HANDLE RETR WINCH CONT   12EAJ    MELQ              MEL            1
141     ADS ACTUATOR             12EAK    MELR              MEL            2
141     WIRING                   12EAL    MELS              MEL            1
141 CARGO DROP PREPARATION                MEM               MEA              111111111
141     RESTRAINT RAIL ASSY      12EAA    MEMA              MEM            1
141     LOCK RESTRAINT RAIL      12EAB    MEMB              MEM            1
141     ROLLER RESTNT RAIL LOCK  12EAC    MEMC              MEM            1
141     RESTRAINT RAIL MECHANISM 12EAD    MEMD              MEM            1
141     QUICK DISCONNECT FITTING 12EAE    MEME              MEM            1
141   BUMPER PALLET RESTRAINT    12EAM    MEMF              MEM            0
141   ADS LINKS                  12EAN    MEMG              MEM            1
141   LATCH                      12EAP    MEMH              MEM            1
141   ADJUST MECHANISM           12EAQ    MEMJ              MEM            1
141   CATCH RELEASE              12EAR    MEMK              MEM            1
141   REMOTE CONTROL             12EAS    MEML              MEM            1
141   HOUSING COVER              12EAT    MEMM              MEM            0
141   DETENT GEAR                12EAU    MEMN              MEM            1
141NORMAL PWR GENERATION                  UA                UAP              111111111
141 MAIN AC BUS NO 1                      UAA               DCN              AAAAAAAAA
141  MAIN 115V BUS NO 1                   UAA               EAC              SSSSSSSSS
141  MAIN 115V BUS NO 1                   UAA               EAK              FAAAAAAAA
141  MAIN 115V BUS NO 1                   UAA               EAL              FAAAAAAAA
141  MAIN 115V BUS NO 1                   UAA               EAM              FAAAAAAAA
141  MAIN 115V BUS NO 1                   UAA               EAN              FAAAAAAAA
141  MAIN 115V BUS NO 1                   UAA               EAQ              FAAAAAAAA
141  MAIN AC BUS NO 1 115V                UAA               EAZ              F111111111
141                                       UAA               ECQ              111111111
141  MAIN AC BUS NO 1 115V                UAA               EDH              111111111
141  MAIN AC BUS NO 1 115V                UAA               EEA              FAAAAAAAA
141  MAIN AC BUS NO 1 115V                UAA               EER              FAAAAAAAA
141MAIN AC BUS NO 1-115VAC                UAA               UHCF             AAAAAAAAA
141AC POWER GENERATOR NO 1                UAAA              BZAE             AAAAAAAAA
141AC POWER GENERATOR NO 1                UAAA              BZYA             111111111
141AC PWR GEN NO 1                        UAAA              UA     4 UX      AAAAAAAAA
141AC POWER GEN NO 1                      UAAA              UAA    5 UX      AAAAAAAAA
141AC PWR GEN NO 1                        UAAA              UAR    5 UX      AAAAAAAAA
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141AC PWR GEN NO 1                          UAAA          UAC    5 UX     AAAAAAAAA
141AC PWR GEN NO 1                          UAAA          UAC    5 UX     AAAAAAAAA
141AC PWR GEN NO 1                          UAAA          UAEC           FAAAAAAAAA
141 GENERATOR 40KVA              42EAA      UAAAA         UAAA         A
141 GENERATOR LEADS              42EAC      UAAAB         UAAA         A
141 VOLTAGE REG                  42EAA      UAAAC         UAAA         A
141 GEN PROTECTION PANEL         42EAB      UAAAD         UAAA         A
141 BUS PROTECTION PANEL         42EAC      UAAAE         UAAA         A
141 LOAD CONTROLLER              42EAV      UAAAF         UAAA         A
141PRIMARY BACK UP NO1                      UAAB          BZAA   K UAAD  AAAAAAAAA
141PRIME BACKUP NO 1                        UAAB          UAA    K UAAD  AAAAAAAAA
141 CONTACTOR-BUS TIE            42EAH      UAABA         UAAB         A
141 SWITCH-AUTO LOAD DISCONNECT  42EAP      UAABB         UAAB         1
141 AC TIE BUS                   42EAS      UAABC         UAAE         A
141PRIME-PRIME NO 1-2&3 OR 4                UAAC          UAAB     UAAF  111111111
141 CONTACTOR-GEN TIE            42EAH      UAACA         UAAC         A
141NORMAL BUS 1  1&2,3 OR 4                 UAAD          BZAA           111111111
141NORMAL BUS NO 1-1&2, OR 3                UAAD          UAA      UAAB  111111111
141 SWITCH-GEN BUS TIE           42EAS      UAADA         UAAD         A
141 CONTACTOR-GEN TIE            42EAH      UAADB         UAAD         A
141 AC TIE BUS                   42EAS      UAADC         UAAD         A
141ULTIMATE 1/2-3&4                         UAAE          UAAB   K UAAC  AAAAAAAAA
141ULTIMATE 1/2-3&4                         UAAF          UAAB   K UAAC  AAAAAAAAA
141 CONTACTOR-GEN TIE            42EAH      UAAFA         UAAF         A
141GEN NO 1 DRIVE                           UAAK          UAAA           AAAAAAAAA
141 CSD GEAR              23SQP  23SQA      UAAKA         UAAK         A
141 QUICK ATTACH DETACH CSD      23SQF      UAAKB         UAAK         1
141 SHAFT DISCONNECT RESET HANDL 23SQG      UAAKC         UAAK         0
141 SHAFT DISCONNECT             23SQH      UAAKD         UAAK         5
141 CLUTCH ASSY-CSD              23SQJ      UAAKE         UAAK         A
141 CSD SUBSTRAND         23SQA  23SQP      UAAKF         UAAK         A
141PWR CONTROL NO 1                         UAAL          UAAA           AAAAAAAAA
141 SWITCH-GEN CONTROL           42EAQ      UAALA         UAAL         A
141CSD OIL NO.1                             UAAM          BUF            555555555
141 CSD OIL DISTRIBUTION                    UAAM          UAAK           AAAAAAAAA
141 PLUMBING                     23SQQ      UAAMA         UAAM         2
141 WIRING                       23SSA      UAAMB         UAAN         0
141OIL SYS STATUS INDICATION                UAAN          UATA   I UAAP  111111111
141 INDICATOR TEMP               23STA      UAANAU        UAAN         A
141 RESISTANCE BULB              23STB      UAANB         UAAN         A
141OIL PRESSURE GENERATION                  UAAP          UAAM           AAAAAAAAA
141OIL PRESSURE GENERATION                  UAAP          UAAN           FAAAAAAAAA
141 CASE RELIEF VALVE            23SRA      UAAPA         UAAP         1
141 PUMP PRES & SCAVENGE         23SRB      UAAPB         UAAP         A
141 TANK PRES REG VALVE          23SRC      UAAPC         UAAP         3
141CHECK VALVE 42EAC             23SRD      UAAPD         UAAP         1
141 SELECTOR CHECK VALVE 42EAC   23SRE      UAAPE         UAAP         0
141 FILTER BY-PASS VALVE         23SRF      UAAPF         UAAP         0
141 RECIRCULATING VALVE          23SRG      UAAPG         UAAP         1
141 PRES RELIEF VALVE            23SRH      UAAPH         UAAP         1
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1234567890123456789012345678901234567890123456789012345678901234567890123456789
141SCAVENGER RELIEF VALVE        23SPJ   UAAPJ          UAAP          0
141OIL COOLING                           UAAQ           UAAM                  8838888888
141 CSD OIL COOLER               23SQN   UAAQA          UAAQ          5
141 PRES & THERMO BY-PASS RELIE  23SRP   UAAQB          UAAQ          2
141OIL SUPPLY                            UAAR           UAAM                  AAAAAAAAAA
141 FILTER ELEMENT               23SQC   UAARA          UAAR          1
141 FILTER ASSY                  23SQE   UAARB          UAAR          1
141 MAGNETIC DRAIN PLUG          23SQE   UAARC          UAAR          0
141 MOUNTING STRAP OIL TANK      23SQK   UAARD          UAAR          1
141 CSD-OIL TANK                 23SQL   UAARE          UAAR          8
141 CSD-OIL TANK FILLER CAP      23SQM   UAARF          UAAR          1
141 TANK FILLER VALVE            23SRK   UAARG          UAAR          0
141 MAIN AC BUS                  42EAA   UAAZ           UAA           A
141  MAIN 115V BUS NO 2                  UAB            EAD                   FAAAAAAAAA
141  MAIN AC BUS NO 2 115V               UAB            EAZ                   F111111111
141  MAIN AC BUS NO 2 115V               UAB            EDH                    111111111
141 MAIN AC BUS NO 2 115V                UAB            EEE                    111111111
141  MAIN AC BUS 12                      UAB            MECA                   AAAAAAAAA
141AC POWER GENERATOR NO 2               UABA           BZAE                   AAAAAAAAA
141AC POWER GENERATOR NO 2               UABA           BZYA                   111111111
141AC PWR GEN NO 2                       UABA           UA      4 UX           AAAAAAAAA
141AC PWR GEN NO 2                       UABA           UAA     5 UX           AAAAAAAAA
141AC PWR GEN NO 2                       UABA           UAB     5 UX           AAAAAAAAA
141AC PWR GEN NO 2                       UABA           UAC     5 UX           AAAAAAAAA
141AC PWR GEN NO 2                       UABA           UAD     5 UX           AAAAAAAAA
141AC PWR GEN NO 2                       UABA           UAEE                  FAAAAAAAAA
141 GENERATOR 40KVA              42DAA   UABAA          UABA          A
141 GENERATOR LEADS              42DAC   UABAB          UABA          A
141 VOLTAGE REG                  42EAA   UABAC          UABA          A
141 GEN PROTECTION PANEL         42EAB   UABAD          UABA          A
141 BUS PROTECTION PANEL         42EAC   UABAE          UABA          A
141 LOAD CONTROLLER              42EAV   UABAF          UABA          A
141PRIMARY BACK UP NO2                   UABB           BZAB    K UABD        AAAAAAAAA
141PRIME BACKUP NO 2                     UABB           UAB     K UABD        AAAAAAAAA
141 CONTACTOR-BUS TIE            42EAH   UABBA          UABB          A
141 AC TIE BUS                   42EAB   UABBB          UABB          A
141PRIME-PRIME NO 2-1&3 OR 4             UABC           UABB    UAAF  111111111
141 CONTACTOR-GEN TIE            42EAH   UABCA          UABC          A
141NORMAL BUS 2 2&1,3 OR 4               UABD           BZAB                  111111111
141NORMAL BUS NO 2-2&1,3 OR 4            UABD           UAB     UABB  111111111
141 SWITCH-GEN BUS TIE           42EAS   UABDA          UABD          A
141 CONTACTOR-GEN TIE            42EAH   UABDB          UABD          A
141 AC TIE BUS                   42EAB   UABDC          UABD          A
141GEN NO 2 DRIVE                        UABK           UABA                  AAAAAAAAA
141 CSD ASSY                     23SQA   UABKA          UABK          A
141 QUICK ATTACH DETACH CSD      23SQF   UABKB          UABK          1
141 SHAFT DISCON RESET HANDLE    23SQG   UABKC          UABK          0
141 SHAFT DISCONNECT             23SQH   UABKD          UABK          5
141 CLUTCH ASSY-CSD              23SQJ   UABKE          UABK          A
141 CSD  SUNSTRAND               23SQP   UABKF          UABK          A
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141PWR CONTROL NO 2                          UABL          UABA              AAAAAAAAA
141 S/-GEN CONT   NO 2          42EAJ       UABLA         UABL         A
141CSD OIL NO.2                              UABM          6UE               555555555
141CSD OIL DISTRIBUTION                      UABM          UABK              AAAAAAAAA
141 PLUMBING                    23SQC       UABMA         UABM         2
141 WIRING                      23SSA       UABMB         UABM         U
141OIL SYS STATUS INDICATION                 UABN          UATA    I UABP    111111111
141 INDICATOR TEMP              23STA       UABNA         UABN         A
141 RESISTANCE BULB             23STB       UABNB         UABN         A
141OIL PRES GENERATION                       UABP          UABM              AAAAAAAAA
141OIL PRES GENERATION                       UABP          UABN              FAAAAAAAAA
141 CASE RELIEF VALVE           23SPA       UABPA         UABP         1
141 PUMP PRES & SCAVENGE        23SQF       UABPB         UABP         A
141 TANK PRESS REG VALVE        23SPC       UABPC         UABP         3
141 CHECK VALVE 42EAK           23SPD       UABPD         UABP         1
141 SELECTOR CHECK VALVE 42EAK  23SPE       UABPE         UABP         U
141 FILTER BY-PASS VALVE        23SPF       UABPF         UABP         U
141 RECIRCULATING VALVE         23SPG       UABPG         UABP         1
141 PRESS RELIEF VALVE          23SPH       UABPH         UABP         1
141SCAVENGER RELIEF VALVE       23SPJ       UABPJ         UABP         U
141OIL COOLING                               UABQ          UABM              888888888
141 CSD OIL COOLER              23SQN       UABQA         UABQ         5
141 PRES & THERMO BY-PAS RELIEF 23SPB       UABQB         UABQ         2
141OIL SUPPLY                                UABR          UABM              AAAAAAAAA
141 FILTER ELEMENT              23SQC       UABRA         UABR         1
141 FILTER ASSY                 23SQD       UABRB         UABR         1
141 MAGNETIC DRAIN PLUG         23SQE       UABRC         UABR         U
141 MOUNTING STRAP OIL TANK     23SQK       UABRD         UABR         1
141 CSD-OIL TANK                23SQL       UABRE         UABR         8
141 CSD-OIL TANK FILLER CAP     23SQM       UABRF         UABR         U
141 TANK FILLER VALVE           23SPK       UABRG         UABR         U
141 CONTACTOR LOAD-MONITOR      42EAX       UABW          UAB          A
141 SERVICE OUTLET              42EAH       UABX          UAB          U
141 OUTLET-ELECTRIC SHAVER      42CAD       UABY          UAB          U
141 MAIN AC BUS                 42FAA       UABZ          UAB          A
141MAIN 115VAC BUS NO 3                      UAC           CAUA              000CC0000  <
141MAIN 115VAC BUS NO 3                      UAC           MECA              AAAAAAAAA
141MAIN AC BUS NO 3-115VAC                   UAC           UHCG              AAAAAAAAA
141AC POWER GENERATOR NO 3                   UACA          BZAE              AAAAAAAAA
141AC POWER GENERATOR NO 3                   UACA          BZYA              111111111
141AC PWR GEN NO 3                           UACA          UA       4 UX     AAAAAAAAA
141AC PWR GEN NO 3                           UACA          UAA      5 UX     AAAAAAAAA
141AC PWR GEN NO 3                           UACA          UAB      5 UX     AAAAAAAAA
141AC PWR GEN NO 3                           UACA          UAC      5 UX     AAAAAAAAA
141AC PWR GEN NO 3                           UACA          UAD      5 UX     AAAAAAAAA
141AC PWR GEN NO 3                           UACA          UAKD              FAAAAAAAAA
141 GENERATOR 40KVA             42DAA       UACAA         UACA         A
141 GENERATOR LEADS             42DAC       UACAB         UACA         A
141 VOLTAGE REG                 42EAA       UACAC         UACA         A
141 GEN PROTECTION PANEL        42EAB       UACAD         UACA         A
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0000000000111111111122222222233333333344444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890123456789
141 BUS PROTECTION PANEL          42EAC   UACAE          UACA          A
141 LOAD CONTROLLER               42EAV   UACAF          UACA          A
141PRIMARY BACK UP BUS                    UACB           BZAC   K UACC  AAAAAAAAA
141PRIME BACKUP NO 3                      UACB           UAC    K UACC  AAAAAAAAA
141CONTACTOR-BUS TIE              42EAH   UACBA          UACB          A
141AC TIE BUS                     42EAT   UACBB          UACB          A
141NORMAL BUS NO 3 3&1,2 OR 4             UACC           BZAC            111111111
141NORMAL BUS NO 3-3&1,2 OR 4             UACC           UAC      UACB   111111111
141 CONTACTOR-GEN TIE             42EAH   UACCA          UACC          A
141 SWITCH-GEN BUS TIE            42EAS   UACCB          UACC          A
141 AC TIE BUS                    42EAB   UACCC          UACC          A
141PRIME-PRIME NO 4-3&1 OR 2              UACD           UADA     UADF   111111111
141 CONTACTOR-GEN TIE             42EAH   UACDA          UACD          A
141GEN NO 3 DRIVE                         UACK           UACA            AAAAAAAAA
141 CSD PGE<                      23SQA   UACKA          UACK          A
141 QUICK ATTACH DETACH CSD       23SQE   UACKB          UACK          1
141 SHAFT DISCON RESET HANDLE     23SQG   UACKC          UACK          C
141 SHAFT DISCONNECT              23SQH   UACKD          UACK          5
141 CLUTCH ASSY-CSD               23SQJ   UACKE          UACK          A
141 CSD  SUBSTRAND                23SQP   UACKF          UACK          A
141PWR CONTROL NO 3                       UACL           UACA            AAAAAAAAA
141 SW-GEN CONT  NO 3             42EAQ   UACLA          UACL          A
141CSD OIL NO.3                           UACM           BUE             555555555
141CSD OIL DISTRIBUTION                   UACM           UACK            AAAAAAAAA
141 PLUMBING                      23SQD   UACMA          UACM          2
141 WIRING                        23SSA   UACMB          UACM          0
141OIL SYS STATUS INDICATION              UACN           UANC   I UACP  111111111
141 INDICATOR TEMP                23STA   UACNA          UACN          A
141 RESISTANCE BULB               23STB   UACNB          UACA          A
141OIL PRES GENERATION                    UACP           UACM            AAAAAAAAA
141OIL PRES GENERATION                    UACP           UACN           FAAAAAAAAA
141 CASE RELIEF VALVE             23SKA   UACPA          UACP          1
141 PUMP PRES & SCAVENGE          23SQH   UACPB          UACP          A
141 TANK PRESS REG VALVE          23SKC   UACPC          UACP          3
141 CHECK VALVE #2EA<             23SKD   UACPD          UACP          1
141 SELECTOR CHECK VALVE (2EA)    23SKE   UACPE          UACP          0
141 FILTER BY-PASS VALVE          23SKF   UACPF          UACP          0
141 RECIRCULATING VALVE           23SKG   UACPG          UACP          1
141 PRESS RELIEF VALVE            23SKH   UACPH          UACP          1
141SCAVENGER RELIEF VALVE         23SKJ   UACPJ          UACP          0
141OIL COOLING                            UACQ           UACM            888888888
141 CSD OIL COOLER                23SQN   UACQA          UACQ          5
141 PRES & THERMO BY-PAS RELIEF   23SKB   UACQB          UACQ          2
141OIL SUPPLY                             UACR           UACM            AAAAAAAAA
141 FILTER ELEMENT                23SQL   UACRA          UACR          1
141FILTER ASSY                    23SQD   UACRB          UACR          1
141 MAGNETIC DRAIN PLUG           23SQE   UACRC          UACR          0
141 MOUNTING STRAP OIL TANK       23SQK   UACRD          UACR          1
141 CSD-OIL TANK                  23SQL   UACRE          UACR          8
141 CSD-OIL TANK FILLER CAP       23SQM   UACRF          UACR          0
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000000000011111111112222222223333333334444444445555555556666666667777777774 .
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 TANK FILLER VALVE              23SHA   UACRG          UACK          0
141 CONTACTOR LOAD-MONITOR         42EAX   UACX           UAC           A
141 SERVICE OUTLET                 42EAH   UACY           UAC           0
141 MAIN AC BUS                    42EAA   UACZ           UAC           A
141  MAIN 115V BUS NO 4                    UAC            EAC            5U1000020
141  MAIN 115V BUS NO 4                    UAD            EAL            EAAAAAAAAA
141  MAIN 115V BUS NO 4                    UAD            EAM            EAAAAAAAAA
141  MAIN 115V BUS NO 4                    UAD            EAQ            EAAAAAAAAA
141  MAIN 115V BUS NO 4 AC                 UAD            ED              111111111
141MAIN AC BUS NO 4                        UAD            MEB             AAAAAAAAA
141AC POWER GENERATOR NO 4                 UADA           BZAE            AAAAAAAAA
141AC POWER GENERATOR NO 4                 UADA           BZYA            111111111
141AC PWR GEN NO 4                         UADA           UA      4 UX    AAAAAAAAA
141AC PWR GEN NO 4                         UADA           UAA     5 UX    AAAAAAAAA
141AC PWR GEN NO 4                         UADA           UAB     5 UX    AAAAAAAAA
141AC PWR GEN NO 4                         UADA           UAC     5 UX    AAAAAAAAA
141AC PWR GEN NO 4                         UADA           UAD     5 UX    AAAAAAAAA
141AC PWR GEN NO 4                         UADA           UAKE            EAAAAAAAA
141 GENERATOR LEADS                42DAC   UADAB          UADA          A
141 VOLTAGE REG                    42EAA   UADAC          UADA          A
141GEN PROTECTION PANEL            42FAB   UADAD          UADA          A
141 BUS PROTECTION PANEL           42EAC   UADAE          UADA          A
141 LOAD CONTROLLER                42EAV   UADAF          UADA          A
141PRIMARY BACK UP NO 4                    UADB           BZAD    K UADC  AAAAAAAAA
141PRIME BACKUP NO 4                       UADB           UAB     K UADC  AAAAAAAAA
141CONTACTOR-BUS TIE               42EAH   UADBA          UADB          A
141 SWITCH-AUTO LOAD DISCONNECT42EAR       UADBB          UADB          1
141 AC TIE BUS                     42FAB   UADBC          UADB          A
141NORMAL BUS NO 4 4&1,2 OR 3              UADC           BZAD            111111111
141NORMAL BUS NO 4-4&1,2 OR 3              UADC           UAD       UADB  111111111
141 CONTACTOR-BUS TIE              42EAH   UADCA          UADC          A
141 SWITCH-GEN BUS TIE             42EAS   UADCB          UADC          A
141 AC TIE BUS                     42FAB   UADCC          UADC          A
141PRIME-PRIME NO 3-4&1 OR 2               UADD           UACB      UADF  111111111
141 CONTACTOR-GEN TIE              42EAH   UADDA          UADD          A
141ULTIMATE 3/4 - 1 & 2                    UADF           UACB    K UADD  AAAAAAAAA
141ULTIMATE 3/4 - 1 & 2                    UADF           UADB    K UADD  AAAAAAAAA
141 CONTACTOR-GEN TIE              42EAH   UADFA          UADF          A
141GEN NO 4 DRIVE                          UADK           UADA            AAAAAAAAA
141 CSD (GE)                       23SQA   UADKA          UADK          A
141 QUICK ATTACH DETACH CSD        23SQF   UADKB          UADK          1
141 SHAFT DISCN RESET HANDLE       23SQG   UADKC          UADK          0
141 SHAFT DISCONNECT               23SQH   UADKD          UADK          5
141 CLUTCH ASSY-CSD                23SQJ   UADKE          UADK          A
141 CSD  SUNSTRAND.                23SQP   UADKF          UADK          A
141PWR CONT    NO 4                        UADL           UADA            AAAAAAAAA
141 SW-GEN CONT   NO 4              42EAQ   UADLA          UADL          A
141CSD OIL NO.4                            UADM           BUE             555555555
141CSD OIL DISTRIBUTION                    UADM           UADK            AAAAAAAAA
141 PLUMBING                       23SQQ   UADMA          UADM          2
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000000000111111111122222222233333333444444444455555555566666666677777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 WIRING                          25SSA   UADMB           UADM          U
141OIL SYS STATUS INDICATION                UADN            UADC    I UADP  111111111
141 INDICATOR TEMP                  25STA   UADNA           UADN          A
141 RESISTANCE BULB                 25STB   UADNB           UADA          A
141OIL PRES GENERATION                      UADP            UADM            AAAAAAAAA
141OIL PRES GENERATION                      UADP            UADN          FAAAAAAAAA
141 CASE RELIEF VALVE               25SRA   UADPA           UADP          1
141 PUMP PRES & SCAVENGE            25SQB   UADPB           UADP          4
141 TANK PRESS REG VALVE            25SRC   UADPC           UADP          3
141 CHECK VALVE (2EA)               25SRD   UADPD           UADP          1
141 SELECTOR CHECK VALVE (2EA)      25SRE   UADPE           UADP          0
141 FILTER BY-PASS VALVE            25SRF   UADPF           UADP          0
141 RECIRCULATING VALVE             25SRG   UADPG           UADP          1
141 PRESS RELIEF VALVE              25SRH   UADPH           UADP          1
141SCAVENGER RELIEF VALVE           25SRJ   UADPJ           UADP          0
141OIL COOLING                              UADQ            UADM            88888888
141 CSD OIL COOLER                  25SQN   UADQA           UADQ          5
141 PRES & THERMO BY-PAS RELIEF     25SRB   UADQB           UADQ          2
141OIL SUPPLY                               UADR            UADM            AAAAAAAAA
141 FILTER ELEMENT                  25SQC   UADRA           UADR          1
141 FILTER ASSY                     25SQD   UADRB           UADR          1
141 MAGNETIC                        25SQE   UADRC           UADR          0
141 MOUNTING STRAP OIL TANK         25SQK   UADRD           UADR          1
141 CSD-OIL TANK                    25SQL   UADRE           UADR          8
141 CSD-OIL TANK FILLER CAP         25SQM   UADRF           UADR          0
141 TANK FILLER VALVE               25SRK   UADRG           UADR          0
141 MAIN AC BUS                     42FAA   UADZ            UAD           A
141ESSENTIAL AC BUS NO 1                    UAE             PADF            FAAAAAAAAA
141 ESSENTIAL AC BUS NO 1                   UAE             BAGD            FAAAAAAAAA
141 ESSENTIAL AC BUS NO 1                   UAE             BAGG            FAAAAAAAAA
141 ESSENTIAL AC BUS NO 1                   UAE             BAKF            FAAAAAAAAA
141 ESSENTIAL AC BUS NO 1                   UAE             BAND            FAAAAAAAAA
141 ESSENTIAL AC BUS NO 1                   UAE             BANG            FAAAAAAAAA
141ESSENTIAL AC BUSS NO.1                   UAE             BFD               AAAAAAAAA
141  ESSENTIAL 115V BUS NO 1                UAE             EAP               AAAAAAAAA
141  ESSENTIAL 115V BUS NO 1                UAE             EBK             FAAAAAAAAA
141 ESS 115 V.BUS NO 1                      UAE             ECS             FAAAAAAAAA
141ESSENTIAL AC BUS NO 1                    UAE             ECF               AAAAAAAAA
141 ESSENTIAL AC BUS NO.1 115V              UAE             EDV             FAAAAAAAAA
141 ESSENTIAL AC BUS NO.1                   UAE             EGV               111111111
141ESSENTIAL AC BUS NO 1                    UAE             UAEA              AAAAAAAAA
141ESSENTIAL AC BUS NO 1                    UAE             UCB     UC        111111111
141ESSENTIAL AC BUS NO 1-115V AC            UAE             UHBD              AAAAAAAAA
141 ELECT POWER ESS AC BUS NO1              UAE             LUKT            FAAAAAAAAA
141 ELECT POWER ESS AC BUS NO1              UAE             RUKT            FAAAAAAAAA
141ESS AC BUS NO1                           UAE             UZZZZ           S111111111
141  ESSENTIAL AC BUS NO 1 115V             UAEA            EAZ               111111111
141  26V AC BUS NO 1                        UAEA            EDN             FAAAAAAAAA
141 ESS 26VAC                               UAEA            FFLC              AAAAAAAAA
141AC BUS NO 1 26VAC                        UAEA            UHAG              AAAAAAAAA
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C00C0D900D1111111111222222222233333333344444444455555555566666666677777777776 .
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141BUS NO 1-26VAC                          UAEA          UHCM              111111111
141 XFMR-ENG INSTRUMENT          42EAN     UAEAA         UAEA          A
141 ESSENTIAL AC BUS             42EAC     UAEAB         UAEA          A
141ESSENTIAL NO 1 BACKUP                   UAEB          UAEF    K UAR     AAAAAAAAA
141 RELAY ESSENTIAL BUS POWER    42EAE     UAEBA         BZYB          A
141 RELAY-ESSENTIAL BUS PWR      42EAE     UAEBA         UAEB          A
141PRIMARY BACK UP NO1                     UAEC          BZYB              111111111
141PRIMARY BACKUP NO 1                     UAEC          UAEB              111111111
141SECONDARY BACK UP NO1                   UAEE          BZYB              111111111
141SECONDARY BACKUP NO 1                   UAEE          UAEB              111111111
141 CONTACTOR-GEN TIE            42EAH     UAEEA         UAEE          A
141MULTI FEED                              UAEF          CBA               S111111111
141MULTI FEED                              UAEF          DAC               S111111111
141MULTI FEED                              UAEF          DBCA              S111111111
141MULTI FEED                              UAEF          DCE               S111111111
141MULTI FEED                              UAEF          DDBD              SAAAAAAAAA
141MULTI FEED                              UAEF          DEA               S111111111
141 MULTI FEED                             UAEF          EA                F111111111
141 MULTI FEED                             UAEF          FCC                AAAAAAAAA
141 MULTI FEED                             UAEF          FCM               S111111111
141 MULTI FEED                             UAEF          FDK               S111111111
141 MULTI FEED                             UAEF          FFLC              SAAAAAAAAA
141 MULTI FEED                             UAEF          FGV               SAAAAAAAAA
141 MULTI FEED                             UAEF          FJA               SOOOOOOOOO
141 MULTI FEED                             UAEF          FTM               SAAAAAAAAA
141MULTI-FEED                              UAEF          UAE               FAAAAAAAAA
141MULTI-FEED                              UAEF          UAFE              FAAAAAAAAA
141MULTI-FEED                              UAEF          UAG       UC      F111111111
141MULTI-FEED                              UAEF          UAH       UC      F111111111
141MULTI-FEED                              UAEF          UBM                AAAAAAAAA
141MULTI FEED                              UAEF          UHAG              SAAAAAAAAA
141MULTI FEED                              UAEF          UHBD              SAAAAAAAAA
141MULTI FEED                              UAEF          UHCM              SAAAAAAAAA
141 RELAY ESSENTIAL BUS POWER    42EAE     UAEFA         BZY           A
141RELAY-ESSENTIAL BUS PWR       42EAE     UAEFA         UAEF          A
141 ESSENTIAL AC BUS             42EAC     UAEZ          UAE           A
141AVIONICS AC BUS NO1                     UAF           CAH                AAAAAAAAA
141AVO AC BUS NO 1                         UAF           CBDN              SAAAAAAAAA
141AVIONICS AC BUS NO.1                    UAF           CBDP              FAAAAAAAAA
141AVIONICS 115VAC BUS NO 1                UAF           CBDQ              FAAAAAAAAA
141AVIONICS AC BUS NO.1                    UAF           CBFH              FAAAAAAAAA
141 AVICS AC BUS NO1                       UAF           DAFB               AAAAAAAAA
141NAV AC BUS NO 1                         UAFA          CBDA              S111111111
141 NAV AC BUS NO 1                        UAFA          CBDB              F111111111
141NAV AC BUS NO.1                         UAFA          CBDE              FAAAAAAAAA
141NAV AC BUS NO.1                         UAFA          CBDJ              FAAAAAAAAA
141NAV AC BUS NO.1                         UAFA          CBDM              FAAAAAAAAA
141 AC NAV BUS NO.1                        UAFA          FJA                AAAAAAAAA
141 AC NAV BUS NO.1                        UAFA          FKA                111111111
141 NAV AC NO 1 115VAC                     UAFA          FTM                AAAAAAAAA
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00100000011111111112222222223333333334444444455555555566666666677777777776
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141NAV AC BUS NO 1                          UAFA        UAFC          AAAAAAAAA
141 RELAY-NAV BUS              42EAD        UAFAA       UAFA          A
141 NAV BUS                    42EAE        UAFAB       UAFA          A
141NAV AC BUS NO 2                          UAFB        CBDA           S111111111
141 NAV AC BUS NO 2                         UAFB        CBDB           F111111111
141NAV AC BUS NO.2                          UAFB        CBDR           F111111111
141NAV AC BUS NO.2                          UAFB        CBE             111111111
141 NAV AC BUS NO 2                         UAFB        DACB           AAAAAAAAA
141 NAV AC BUS NO 2                         UAFB        DACB           FAAAAAAAAA
141 NAV AC BUS NO 2                         UAFB        DBCB           FAAAAAAAAA
141 NAV AC BUS NO.2                         UAFB        FGV             111111111
141NAV AC BUS NO 2                          UAFB        UAFD           AAAAAAAAA
141 ELECT POWER-NAV AC BUS 2                UAFB        RUKB           FAAAAAAAAA
141 ELECT POWER-NAV AC BUS 2                UAFB        RUKE           AAAAAAAAA
141 ELECT POWER-NAV AC BUS 2                UAFB        RUKJ           FAAAAAAAAA
141 RELAY-NAV BUS              42EAD        UAFBA       UAFB          5
141 NAV BUS                    42EAE        UAFBB       UAFB          A
141NAV EXITATION BUS NO 1                   UAFC        CBDF           F111111111
141NAV 26VAC BUS NO 1                       UAFC        CBDQ           FAAAAAAAAA
141 ELECT POWER-NAV AC EXC                  UAFC        RUKB           AAAAAAAAA
141 ELECT POWER-NAV AC EXC                  UAFC        RUKE           AAAAAAAAA
141 ELECT POWER-NAV AC EXC                  UAFC        RUKJ           AAAAAAAAA
141 XFORMER-STEP DOWN NAV INSTR42EAM        UAFCA       UAFC          A
141 NAV BUS                    42EAE        UAFCB       UAFC          A
141NAV EXITATION BUS NO 2                   UAFD        CBDF           F111111111
141NAV 26VAC BUS NO 2                       UAFD        CBFG            111111111
141 NAV EXCITE BUS NO 2                     UAFD        DBE             AAAAAAAAA
141 ELECT POWER-NAV 26VAC EXC               UAFD        RUKB           FAAAAAAAAA
141 ELECT POWER-NAV 26VAC EXC               UAFD        RUKE           AAAAAAAAA
141 ELECT POWER-NAV 26VAC EXC               UAFD        RUKJ           FAAAAAAAAA
141 XFORMER-STEP DOWN NAV INSTR42EAM        UAFDA       UAFD          A
141 NAV BUS                    42EAE        UAFDB       UAFD          A
141AVIONICS AC BUS NO1 ACTIVE               UAFE        CAAZZY         S222222222
141AVIONICS AC BUS NO 1 ACTIVATE            UAFE        CHA      UAJA  S111111111
141AVIONICS AC BUS NO1 ACTIVE               UAFE        DACB           S111111111
141AVIONICS AC BUS NO1 ACTIVE               UAFE        DBE            S111111111
141 AVIONICS AC BUS NO 1 ACTIVE             UAFE        FGV            S111111111
141 AVIONICS AC BUS NO 1 ACTIVE             UAFE        FJA            S000000110
141 AVIONICS AC BUS NO 1 ACTIVE             UAFE        FKA            S111111111
141 AVIONICS AC BUS NO 1 ACTIVE             UAFE        FTV            SAAAAAAAAA
141AVIONICS AC BUS NO 1 ACTIVE              UAFE        UAF            FAAAAAAAAA
141AVIONICS AC BUS NO 1 ACTIVE              UAFE        UAFA           FAAAAAAAAA
141AVIONICS AC BUS NO 1 ACTIVE              UAFE        UAFB           F111111111
141 AVIONICS BUS               42EAD        UAFY        UAF           A
141ISOLATED AC BUS                          UAG         CBDR            111111111
141 ISOL AC BUS                             UAG         DEA             AAAAAAAAA
141  ISOLATED AC BUS 115V                   UAG         ECC             111111111
141  ISOLATED AC BUS 115V                   UAG         EDN             111111111
141 ISOLATED AC BUS                         UAG         FGV             111111111
141 RELAY-ISOLATED BUS POWER   42EAG        UAGA        UAG           5
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0000000001111111111222222222233333333334444444444555555555566666666677777777773
1234567890123456789012345678901234567890123456789012345678901234567890123456789O
141 ISOLATED AC BUS                42EAF   UAGF            UAG             A
141ISOLATED 115VAC AVIONICS BUS            UAH             CAUA              AAAAAAAAA
141 ISOL AVICS AC BUS                      UAH             DDNB              FAAAAAAAAA
141ISOLATED AVIONICS AC BUS                UAH             UAMA              AAAAAAAAA
141ISOLATED 26VAC AVIONICS BUS             UAHA            CBFG              111111111
141 ISOL 26V AC                            UAHA            DEA               AAAAAAAAA
141 ABORMER-STEP DOWN NAV INSTR 42EAM      UAHAA           UAHA            A
141 ISOLATED AC NAV BUS            42EAG   UAHAB           UAHA            A
141 RELAY-ISOLATED BUS POWER       42EAG   UAHB            UAH             5
141 ISOLATED AC BUS                42EAF   UAHC            UAH             A
141AVIONICS AC BUS NO2                     UAJ             CAAZZY            S111111111
141AVIONICS AC BUS NO2                     UAJ             CAH               FAAAAAAAAA
141AVIONIC AC BUS NO 2                     UAJ             CAUH              FAAAAAAAAA
141AVIONICS AC BUS NO.2                    UAJ             CBE               111111111
141 AVICS AC BUS NO 2                      UAJ             DCG               AAAAAAAAA
141 AVICS AC BUS NO 2                      UAJ             DCL               FAAAAAAAAA
141AVIONICS AC BUS NO2 ACTIVE              UAJA            CAAZZY            S111111111
141AVO AC BUS NO 2                         UAJA            CBA     K UAEF    5555555555
141AVIONICS AC BUS NO2 ACTIVE              UAJA            DACB              S111111111
141AVIONICS AC BUS NO2 ACTIVE              UAJA            DBF               S111111111
141AVIONICS AC BUS NO2 ACTIVE              UAJA            DCG               SAAAAAAAAA
141 AVIONICS AC BUS NO 2 ACTIVE            UAJA            FGV               S111111111
141AVIONICS AC BUS NO 2 ACTIVE             UAJA            UAFB              F111111111
141AVIONICS AC BUS NO 2 ACTIVE             UAJA            UAJ               FAAAAAAAAA
141 AVIONICS BUS                   42EAD   UAJX            UAJ             A
141ESSENTIAL AC BUS NO 2                   UAK             BADD              FAAAAAAAAA
141ESSENTIAL AC BUS NO 2                   UAK             BAOG              FAAAAAAAAA
141ESSENTIAL AC BUS NO 2                   UAK             BAGF              FAAAAAAAAA
141ESSENTIAL AC BUS NO 2                   UAK             BAKD              FAAAAAAAAA
141ESSENTIAL AC BUS NO 2                   UAK             BAKG              FAAAAAAAAA
141ESSENTIAL AC BUS NO 2                   UAK             BANF              FAAAAAAAAA
141ESSENTIAL AC BUS NO.2                   UAK             BEF               AAAAAAAAA
141  ESSENTIAL 115V BUS NO 2               UAK             EAP               FAAAAAAAAA
141  ESSENTIAL 115V BUS NO 2               UAK             EBG               AAAAAAAAA
141 ESS 115 BUS NO 2                       UAK             EBK               FAAAAAAAAA
141  ESSENTIAL AC BUS NO 2 115V            UAK             ECC               111111111
141  ESSENTIAL AC BUS NO 2 115V            UAK             ECE               FAAAAAAAAA
141  ESSENTIAL AC BUS NO 2 115V            UAK             EEA               FAAAAAAAAA
141  ESSENTIAL AC BUS NO 2 115V            UAK             EEB               FAAAAAAAAA
141  ESSENTIAL AC BUS NO 2 115V            UAK             EFC               111111111
141 ESSENTIAL AC BUS NO.2                  UAK             FGV               111111111
141 ESSENTIAL 115VAC                       UAK             FTG               AAAAAAAAA
141ESSENTIAL AC BUS NO 2                   UAK             UAKA              AAAAAAAAA
141 ESSENTIAL NO.2 BUS AC                  UAK             UAMN              555555555
141ESSENTIAL AC BUS NO 2 115VAC            UAK             UHAB              AAAAA1AAA
141 ELECT POWER ESS AC BUS NO2             UAK             LUKQ              AAAAAAAAA
141 ELECT POWER ESS AC BUS NO2             UAK             RUKQ              AAAAAAAAA
141ESS AC BUS NO2                          UAK             UZZZZ   K UAE     S111111111
141  ESSENTIAL AC BUS NO 2 115V            UAKA            EAZ               111111111
141  26V AC BUS NO 2                       UAKA            EDN               111111111
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0000000011111111112222222223333333344444444455555555566666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 28VAC BUS NO 2                          UAKA        EAK          AAAAAAAAA
141BUS NO 2-28VAC                           UAKA        UHBM         111111111
141 XFMR-RECT INSTRUMENT          42EAN     UAKAA       UAKA       A
141 ESSENTIAL AC BUS              42EAC     UAKAB       UAKA       A
141MULTI-FEED                               UAKB        UAJA         AAAAAAAAA
141MULTI-FEED                               UAKB        UAK          AAAAAAAAA
141MULTI-FEED                               UAKB        UBM          AAAAAAAAA
141RELAY-ESSENTIAL BUS PWR        42EAE     UAKBA       UAKB       A
141-SSENTIAL NO 2 BACKUP                    UAKC        UAKB  K UAK    AAAAAAAAA
141 RELAY-ESSENTIAL BUS PWR       42EAE     UAKCA       UAKC       A
141SECONDARY BAC-UP NO 2                    UAKC        UAKC         111111111
141 CONTACTOR-GEN TIE             42EAH     UAKDA       UAKD       A
141PRIMARY BACKUP NO 2                      UAKE        UAKC         111111111
141 ESSENTIAL AC BUS              42EAC     UAKZ        UAK        A
141EXTERNAL POWER DIST                      UAL         BZAE         000000000
141EXTERNAL POWER DIST                      UAL         BZYA         000000000
141GRD/EXT PWR DISTRIBUTION                 UAL         UAA          000000000
141GRD/EXT PWR DISTRIBUTION                 UAL         UAB          000000000
141GRD/EXT PWR DISTRIBUTION                 UAL         UAC          000000000
141GRD/EXT PWR DISTRIBUTION                 UAL         UAD          000000000
141GRD/EXTERNAL PWR DIST                    UAL         UAK    UA    000000000
141EXTERNAL AC PWR                          UALA        UAL          100000001
141 AC PWR RECEPTACLE             42GHA     UALAA       UALA       A
141 EXT PWR CONTACTOR             42DBB     UALAB       UALA       A
141CONTACTOR-EXTERNAL AC/APU      42EAJ     UALB        UAL        A
141 SW-PWR SELECT/APU EXT         42EAU     UALC        UAL        A
141APU GEN PWR                              UAM         UAL          100000001
141APU CONTROL                              UAMA        UAM          AAAAAAAAA
141 CONTROL SWITCH                42DDC     UAMAA       UAMA       A
141 GENERATOR-APU                 42DAB     UAMB        UAM        A
141 APU VOLTAGE REGULATOR         42EAW     UAMC        UAM        A
141APU-ROTATION                             UAMD        UAMK         FAAAAAAAAA
141APU-ROTATION                             UAMD        UAMZ         AAAAAFAAA
141 COMPRESSOR INLET SCREEN       24CAC     UAMDA       UAMD       1
141 TURBINE WHEEL                 24CAN     UAMDB       UAMD       A
141 TURBINE TORUS ASSY            24CAP     UAMDC       UAMD       A
141 TURBINE WHEEL EXDUCER         24CAQ     UAMDD       UAMD       A
141 TURBINE EXHAUST FLANGE        24CAR     UAMDE       UAMD       A
141 ROTATING ASSY FAN             24CAZ     UAMDF       UAMKX      8
141 BLEED AIR VALVE ACTUATOR      24EAA     UAMDG       UAMKX      A
141 BLEED LOAD CONT THERMOSTAT    24EAE     UAMDH       UAMKX      5
141 AIR PRESS REG                 24EAF     UAMDJ       UAMKX      8
141 GEN COOLING AIR DUCT          24EAG     UAMDK       UAMKX      8
141 COOLING AIR EXHAUST DUCT      24EAH     UAMDL       UAMKX      8
141 COOLING AIR EXHAUST Y DUCT    24EAJ     UAMDM       UAMKX      8
141 ACCEL & O-TEMP VAL THERMO     24EAK     UAMDN       UAMKX      5
141 LOUVER ASSY INTAKE            11DAA     UAMDP       UAMK       5
141 LOUVER ASSY EXHAUST           11DAB     UAMDQ       UAMD       5
141 ROD ENT ACTUATOR              11DAC     UAMDR       UAMD       5
141 LINK                          11DAD     UAMDS       UAMD       A
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00000000011111111112222222223333333333444444444555555555566666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 ACTUATOR #2 EAC              11DFA   UAMDT           UAMD        H
141 WIRING                       11DBC   UAMDU           UAMD        1
141APU CONTROL                           UAME            UAMD          AAAAAAAAA
141 CENTRIFUGAL SW               24DAC   UAMEA           UAME        A
141 LIMIT SWITCH-35              24DAD   UAMEB           UAME        A
141 LIMIT SWITCH-95              24DAE   UAMEC           UAME        A
141 LIMIT SWITCH-110             24DAF   UAMED           UAME        A
141 LOW OIL PRESSURE SW          24DAG   UAMEE           UAME        A
141 HIGH OIL TEMP SW             24DAH   UAMEF           UAME        A
141 HOLDING RELAY HR NO 1        24DAK   UAMEG           UAME        A
141 HOLDING RELAY HR NO 2        24DAL   UAMEH           UAME        A
141 HIGH OIL TEMP RELAY          24DAM   UAMEJ           UAME        A
141 ELECT JUNCTION BOX           24DAQ   UAMEK           UAME        1
141 WIRING                       24DAS   UAMEL           UAME        1
141 BLEED AIR CONT SOLE VALVE    24EAB   UAMEM           UAMKX       A
141 LOAD CONT & SHUTOFF VALVE    24EAD   UAMEN           UAME        A
141 SW ASSY FIRE CONT HAND #2LA49FBD     UAMEP           UAME        A
141 SW LOUVER CONTROL            11DBF   UAMEQ           UAMF        5
141 TOUCHDOWN SWITCH #2 EAC      13ACA   UAMER           UAME        A
141 TOUCHDOWN RELAY #2 EAC       13ACB   UAMES           UAME        A
141COMBUSTION                            UAMF            UAMD          AAAAAAAAA
141 ATOMIZER                     24AAM   UAMFA           UAMF        A
141 COMBUSTION CHAMBER LINER     24CAK   UAMFB           UAMF        A
141 SHAFT ASSY-COMPRESS/TURBINE24CAJ     UAMFC           UAMD        A
141 TURBINE REAR BEARING         24CAL   UAMFD           UAMD        A
141 NOZZLE ASSY TURBINE          24CAM   UAMFE           UAMD        A
141 COOLING AIR DUCT FAN         24CAS   UAMFF           UAMH        8
141 CAP COMBUSTION AIR CHAMBER   24CAU   UAMFG           UAMF        A
141LUBE OIL SUPPLY                       UAMG            UAMD          AAAAAAAAA
141 OIL TANK                     24BAA   UAMGA           UAMG        A
141 OIL TANK FILLER CAP          24BAB   UAMGB           UAMG        0
141 OIL TANK DRAIN VALVE         24BAC   UAMGC           UAMG        1
141 OIL PUMP-PRESSURE            24BAD   UAMGD           UAMG        A
141 OIL PUMP-SCAVENGE            24BAE   UAMGE           UAMG        A
141 OIL FILTER ASSY              24BAF   UAMGF           UAMG        1
141 OIL FILTER ELEMENT           24BAG   UAMGG           UAMG        1
141 OIL FILTER BY-PASS VALVE     24BAH   UAMGH           UAMG        1
141 OIL CLUSTER                  24BAK   UAMGJ           UAMG        0
141 PRESSURE REGULATING VALVE    24BAM   UAMGK           UAMG        2
141 ACCESSORY SECTION DRAIN VAL24BAN     UAMGL           UAMG        1
141 PLUMBING                     24BAP   UAMGM           UAMG        1
141OIL COOLING                           UAMH            UAMG          888888888
141 OIL COOLER                   24BAJ   UAMHA           UAMH        8
141 THERMOSTATIC BY-PASS VALVE   24BAL   UAMHB           UAMH        8
141APU FUEL SUPPLY                       UAMJ            UAMF          AAAAAAAAA
141 ACCEL & OVER TEMP CONT VALV24AAB     UAMJA           UAMJ        A
141 CONSTANT SPEED GOVERNOR      24AAC   UAMJB           UAMJ        A
141 FUEL FILTER                  24AAD   UAMJC           UAMJ        1
141 FILTER ELEMENT               24AAE   UAMJD           UAMJ        1
141 PRESSURE RELIEF VALVE        24AAF   UAMJE           UAMJ        5
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000000300011111111112222222233333333444444444455555555556666666677777777773
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 PLUMBING                    24FAF   UAMJF           UAMJ          1
141COMPRESSION                          UAMK            UAMF                  AAAAAAAAA
141COMPRESSION                          UAMK            UAMKX                 AAAAAAAAA
141 INTAKE PLENUM               24CAD   UAMKA           UAMK          A
141  INTER-STAGE DUCT ASSY      24CAE   UAMKB           UAMK          A
141 COMPRESSOR THRUST BEARING   24CAF   UAMKC           UAMJ          A
141 POWER OUTPUT DRIVE SHAFT    24CAG   UAMKD           UAMZ          A
141  SPLINE-POWER OUTPUT DRIVE  24CAH   UAMKE           UAMZ          A
141 COMPRESSOR WHEEL 1ST STAGE  24CAV   UAMKF           UAMK          A
141 COMPRESSOR WHEEL 2ND STAGE  24CAW   UAMKG           UAMK          A
141 HOUSING 1ST STAGE COMP      24CA1   UAMKH           UAMK          A
141 HOUSING 2ND STAGE COMP      24CA2   UAMKJ           UAMK          A
141PRJ AIR                              UAMKX           BEK                   AAAAAAAAA
141APU AIR                              UAMKX           BJR                   CCCCCCCCC
141APU START                            UAML            UAMD                  FACCCCCCC
141APU START                            UAML            UAMF                  ACCCCCCCC
141 CLUTCH ASSY STARTER         24CAT   UAMLA           UAML          A
141 IGNITER PLUG                24DAA   UAMLB           UAML          A
141 IGNITER LEAD                24DAB   UAMLC           UAML          A
141 SWITCH ACCUMULATOR SELECT   24DAR   UAMLD           UAML          5
141 STARTER/MOTOR HYDRAULIC     24FAA   UAMLE           UAML          A
141 SOLENOID-OP SHUTOFF VALVE   24FAB   UAMLF           UAML          A
141 VALVE CHECK                 24FAC   UAMLG           UAML          1
141 FLOW REGULATOR              24FAD   UAMLH           UAML          5
141 START SURGE ACCUM 42 FAC    24FAE   UAMLJ           UAML          1
141 PLUMBING                    24FAF   UAMLK           UAML          1
141APU FUEL CONTROL                     UAMM            UAMJ                  AAAAAAAAA
141 FUEL CONTROL UNIT           24AAA   UAMMA           UAMM          A
141 ACCEL & OVER TEMP CONT THEM24AAH    UAMMB           UAMM          A
141 RELAY-FUEL SHUTOFF          24CAJ   UAMMC           UAMM          A
141 VALVE SHUTOFF FUEL CONT     24AAK   UAMMD           UAMM          A
141 VALVE SHUTOFF FIREWALL      24AAL   UAMME           UAMM          A
141APU SYSTEM INDICATION                UAMN            UAMP    I UAML        111111111
141 HOURMETER                   24LAN   UAMNA           UAMN          C
141 START COUNTER               24DAP   UAMNB           UAMN          C
141 INDICATOR-TEMP              24CAA   UAMNC           UAMN          A
141 THERMOCOUPLE                24GAF   UAMND           UAMN          A
141 THERMOCOUPLE HARNESS        24GAC   UAMNE           UAMN          1
141 WIRING                      24GAD   UAMNF           UAMN          1
141GROUND CREW ACTION                   UAMP            UAME                  AAAAAAAAA
141 APU FIRE EXTINGUISHER               UAMQ            UAME    X             AAAAAAAAA
141   BOTTLE,APU FIRE EXTING    49AAC   UAMQAC          UAMQ          A
141   INDICATOR,DISCHARGE DISC  49AAD   UAMQAD          UAMQ          O
141   VALVE,DIRECTIONAL FLOW    49AAF   UAMQAF          UAMQ          O
141   VALVE,DRAIN               49AAG   UAMQAG          UAMQ          O
141   PRESSURE GAUGE            49AAH   UAMQAH          UAMQ          O
141   PLUMBING                  49AAL   UAMQAL          UAMQ          1
141 PILOT ACTION                        UAMR            UAMQ                  AAAAAAAAA
141   SWITCH,BOTTLE SELECTOR    49AAB   UAMRAB          UAMR          A
141   SWITCH,APU AGENT DISCHARG 49AAE   UAMRAE          UAMR          A
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000000001111111111222222222233333333344444444445555555556666666667777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 APU FIRE STATUS                          UAMS      UAMP          444444444
141  FIRE WARNING LIGHT          44BAR       UAMSAR    UAMS            A
141APU DRIVE ACCESSORY                       UAMZ      UAM           AAAAAAAAA
141APU-DRIVE ACCESSORY                       UAMZ      UAMN          FAAAAAAAAA
141 APU MOUNT SUPPORT            24CAA       UAMZA     UAMZ            2
141 APU VIBRATION MOUNT          24CAB       UAMZB     UAMZ            4
141 ACCESSORY DRIVE ASSY         24CAX       UAMZC     UAMZ            A
141 REDUCTION GEAR ASSY PLANTY   24CAY       UAMZD     UAMZ            A
141 ACCESSORY DRIVE HOUSING      24CA3       UAMZT     UAMZ            A
141POWER STATUS MONITORING                   UAN       UANC    I UAR     222222222
141AUTOMATIC SWITCHING                       UANA      UAKC              111111111
141 XFMR-REAL LOAD DIV CUR 42EA42EAK         UANAA     UANA            A
141 XFMR-DIFF FAULT CUR 42EAC  42EAL         UANAB     UANA            A
141 UNDERSPEED PRES SW           9542Y       UANAC     UANA            A
141MANUAL SWITCHING                          UANB      UAKC              111111111
141 SWITCH-CSD DISCONNECT 42EAC42EAP         UANBA     UANB            1
141 SWITCH-PWR DISCONNECT        42EAT       UANBB     UANB            1
141AIR CREW ACTION                           UANC      UANB              AAAAAAAAA
141 LOAD METER 2EA               42EBA       UAND      UAN             3
141 XFORMER CURRENT              42EBB       UANE      UAN             3
141 VOLTMETER                    42EBC       UANF      UAN             3
141 FREQUENCY METER              42EBD       UANG      UAN             1
141 SELECTOR SWITCH PHASE        42EBE       UANH      UAN             3
141 SEL SW VOLTAGE/FREQ          42EBF       UANJ      UAN             A
141 METER ETI                    42DBD       UANK      UAN             0
141DISTRIBUTION EQUIPMENT                    UAQ       UAR               000000000
141 WIRING-CONTROL               42EAY       UAQA      UAQ             0
141 WIRING-DIST                  42EAJ       UAQB      UAQ             0
141 PRESSURE SEALS               42HAA       UAQC      UAQ             1
141 TERMINAL STRIPS              42HAB       UAQD      UAQ             1
141 TERMINAL STRIP COVERS        42HAC       UAQE      UAQ             0
141RELAY COVER                   42HAD       UAQF      UAQ             0
141 RECTIFIER BASE               42HAF       UAQH      UAQ             0
141 FUSE                         42HAG       UAQJ      UAQ             1
141 FUSE HOLDER                  42HAH       UAQK      UAQ             0
141 RESISTOR                     42HAJ       UAQL      UAQ             2
141 CIRCUIT BREAKER              42HAK       UAQM      UAQ             A
141 CONNECTORS                   42HAL       UAQN      UAQ             A
141 WIRING                       42HAM       UAQP      UAQ             0
141 CONDUIT                      42HAN       UAQQ      UAQ             0
141MAIN AC DISTRIBUTION                      UAR       UAEF     UAES   111111111
141MAIN AC DISTRIBUTION                      UAR       UAKB            F111111111
141AIR CREW ACTION                           UATA      UATB              AAAAAAAAA
141MANUAL SWITCHING                          UATB      BZYB              111111111
141MANUAL SWITCHING                          UATB      UAEB              111111111
141 SWITCH-CSD DISCONNECT 42EAC42EAP         UATBA     UATB            1
141 SWITCH-PWR DISCONNECT        42EAT       UATBB     UATB            1
141AUTO SWITCHING                            UATC      BZYB              111111111
141AUTOMATIC SWITCHING                       UATC      UAEB              111111111
141 XFMR-REAL LOAD DIV CUR 42EA42EAK         UATCA     UATC            A
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1234567890123456789012345678901234567890123456789012345678901234567890123456789
141 XFMR-DIFF FAULT CUR 42EAC  42EAL   UATCB          UATC          A
141 UNDERSPEED PRES SW 42EAC   9942Y   UATCC          UATC          A
141PWR MONITORING              UATD           UATA   I UAP    222222222
141 LOAD METER                 42EDA   UATDA          UATD          3
141 XFMR CURRENT               42EDB   UATDB          UATD          3
141 VOLTMETER                  42EDC   UATDC          UATD          3
141 FREQ METER                 42EDD   UATDD          UATD          1
141 SELECTOR SWITCH-PHASE      42EDE   UATDE          UATD          3
141SEL SW-VOLT & FREQ          42EDF   UATDF          UATD          A
141 METER ETI-                 42EDG   UATDG          UATD          0
141 CONTACTOR GEN TIE 4 EA     42EAH   UAW            BZYA          1
141 CONTACTOR-GEN TIE 4EAC     42EAH   UAW            UA            1
141 CONTACTOR BUS TIE 4 EA     42EAH   UAX            BZYA          1
141 CONTACTOR-BUS TIE 4EAC     42EAH   UAX            UA            1
141 AC TIE BUS                 42EAH   UAY            BZYA          A
141 AC TIE BUS                 42EAC   UAY            UA            A
141 SWITCH GEN BUS TIE         42EAS   UAZ            BZYA          1
141 SWITCH-GEN BUS TIE 4EAC    42EAS   UAZ            UA            1
141NORMAL DC POWER DIST                UB             BEB            SAAAAAAAAA
141NORMAL DC POWER DIST                UB             BEL            S111111111
141NORMAL DC POWER DIST                UB             CAAZZ          S222222222
141NORMAL DC POWER DIST                UB             CBDA           S111111111
141NORMAL DC POWER DIST                UB             CBF            S111111111
141NORMAL DC POWER DIST                UB             CC             SAAAAAAAAA
141NORMAL DC POWERDIST                 UB             DAFB           SAAAAAAAAA
141NORMAL DC POWERDIST                 UB             DCH            S111111111
141NORMAL DC POWERDIST                 UB             DDB            SAAAAAAAAA
141NORMAL DC POWERDIST                 UB             DDC            SAAAAAAAAA
141 NORMAL DC DISTRIBUTION             UB             EA      UC     S111111111
141 NORMAL DC DISTRIBUTION             UB             EB      UC     S111111111
141 NORMAL DC DISTRIBUTION             UB             EC      UC     S111111111
141 NORMAL DC DISTRIBUTION             UB             EDA     UC     S111111111
141 NORMAL DC DISTRIBUTION             UB             EF      UC     S111111111
141 NORMAL DC POWER DIST               UB             FA             SAAAAAAAAA
141 NORMAL DC POWER DIST               UB             FCC            S111111111
141 NORMAL DC POWER DIST               UB             FDB            S111111111
141 NORMAL DC POWER DIST               UB             FE             SC1111130
141 NORMAL DC POWER DIST               UB             FFJ            SAAAAAAAAA
141 NORMAL DC POWER DIST               UB             FGV            SAAAAAAAAA
141NORMAL DC POWER DIST                UB             GAA            S111111111
141NORMAL DC POWER DIST                UB             GBA            S111111111
141NORMAL DC POWER                     UB             ME             SAAAAAAAAA
141NORMAL DC POWER DIST                UB             UBA            FAAAAAAAAA
141NORMAL DC POWER DIST                UB             UBB            FAAAAAAAAA
141NORMAL DC POWER DIST                UB             UBC            FAAAAAAAAA
141NORMAL DC POWER DIST                UB             UBD            FAAAAAAAAA
141NORMAL DC DISTRIBUTION              UB             UBG            FAAAAAAAAA
141NORMAL DC POWER DIST                UB             UHA             111111111
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00000000011111111112222222223333333334444444445555555556666666667777777773
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141NORMAL DC POWER DIST                    UH                UH8               111111111
141NORMAL DC POWER DIST                    UH                UHCB              222222222
141NORMAL DC POWER DIST.                   UH                UZZZZ             111111111
141MAIN DC BUS NO 1                        U6A               6ACD              FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               8AFD              FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               8AFM              FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               BAJG              FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               BAMD              FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               BZMJ              FAAAAAAAAA
141MAIN DC BUSS NO. 1                      U8A               BEB               AAAAAAAAA
141MAIN DC BUSS NO.1                       U8A               BEK               FAAAAAAAAA
141MAIN DC BUSS NO.1                       U8A               BML               FAAAAAAAAA
141MAIN DC BUS NO.1                        U5A               CBE               111111111
141MAIN DC BUS NO 1                        U8A               CBF               S111111111
141MAIN DC BUS NO.1                        U8A               CBFH              FAAAAAAAAA
141 MAIN DC BUS NO 1                       U5A               CBFJ              FAAAAAAAAA
141  MAIN DC BUS NO 1 28V                  U8A               EAZ               111111111
141  MAIN DC BUS NO 1 28V                  U8A               ECF               111111111
141  MAIN DC BUS NO 1 28V                  U8A               ECS               FAAAAAAAAA
141  MAIN 28V  BUS NO 1 DC                 U8A               ED                111111111
141 MAIN DC BUS NO 1 28V                   U8A               EFB               111111111
141 MAIN DC BUS NO 1                       U8A               FAN               AAAAAAAAA
141MAIN DC 28V NO 1                        U8A               FCCA              AAAAAAAAA
141 MAIN DC NO.1                           U8A               FCH               FAAAAAAAAA
141MAIN DC 28V NO.1                        U8A               LFESA             AAAAAAAAA
141MAIN DC 28V NO.1                        U8A               RFEEA             AAAAAAAAA
141 MAIN DC NO 1                           U8A               FEHE              FAAAAAAAAA
141 MAIN DC NO.1                           U8A               FFJ               AAAAAAAAA
141 MAIN DC BUS NO.1                       U8A               FGV               111111111
141 MAIN DC NO 1                           U8A               FTE               AAAAAAAAA
141 MAIN DC NO 1                           U8A               FTK               FAAAAAAAAA
141 MAIN 28V DC NO 1                       U8A               GAD               SAAAAAAAAA
141 MAIN 28V DC #1                         U8A               GADC              FUCCCCCCCC
141 MAIN 28V DC #1                         U8A               GADF              FAAAAAAAAA
141 MAIN 28VDC NO 1                        U8A               GBO               AAAAAAAAA
141MAIN DC BUS NO 1                        U8A               UAAN              FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               UADN              FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               UAN               FAAAAAAAAA
141MAIN DC BUS NO 1                        U8A               UATD              FAAAAAAAAA
141MAIN DC BUS NO 1 28VDC                  U8A               UH1EA             AAAAAAAAA
141MAIN DC BUS NO 1-28VDC                  U5A               UH8H              AAAAAAAAA
141MAIN DC BUS NO 1                        U8A               UHCFA             AAAAAAAAA
141MAIN DC BUS NO 1-28VDC                  U8A               UHCM              FAAAAAAAAA
141MAIN DC BUS NO1                         U8A               UZZZZ             S111111111
141 MAIN DC BUS                  42CAA     U8AA              U8A               A
141 MAIN DC AVIONICS BUS NO.1              U8B               CAC               F111111111
141MAIN DC AVIONIC BUS NO.1                U8B               CAH               AAAAAAAAA
141MAIN DC AVO BUS NO 1                    U8B               CBDA              S111111111
141 MAIN DC AVIONICS BUS NO 1              U8B               CBDB              F111111111
141MAIN DC AVIONICS BUS NO 1               U3B               CBDE              FAAAAAAAAA
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0000000001111111111222222222233333333344444444445555555556666666667777777773
1234567890123456789012345678901234567890123456789012345678901234567890123456790
141MAIN DC AVIONICS BUS NO.1          UBP        CLDF       F111111111
141MAIN DC AVIONICS BUS NO.1          UBB        CBOJ       FAAAAAAAAA
141MAIN DC AVIONICS BUS NO.1          UBB        CBOM       FAAAAAAAAA
141MAIN DC AVO BUS NO 1               UBB        CBGN       SAAAAAAAAA
141MAIN DC AVIONICS BUS NO.1          UBB        CBOP       FAAAAAAAAA
141MAIN 28VDC AVIONICS BUS NO.1       UBB        CBOO       FAAAAAAAAA
141 MAIN DC AVICS BUS NO 2            UBB        DAFB        AAAAAAAAA
141 MAIN AVICS DC BUS NO 2            UBB        DDCB        111111111
141                                   UBB        FCS        FAAAAAAAAA
141 MAIN DC AVIONICS BUS NO 1         UBB        FJA         000000110
141 MAIN DC AVIONICS BUS NO.1         UBB        FKA         111111111
141 MAIN AVIONICS NO.1 28VDC          UBB        FTM         AAAAAAAAA
141 MAIN DC NAV BUS          42CAB    UBBA       UBB        A
141MAIN DC BUS NO 2                   UBC        BACG       FAAAAAAAAA
141MAIN DC BUS NO 2                   UBC        BACL       FAAAAAAAAA
141MAIN DC BUS NO 2                   UBC        BAFJ       FAAAAAAAAA
141MAIN DC BUS NO 2                   UBC        BAJO       FAAAAAAAAA
141MAIN DC BUS NO 2                   UBC        BAJL       FAAAAAAAAA
141MAIN DC BUS NO 2                   UBC        BAMM       FAAAAAAAAA
141MAIN DC BUS NO.2                   UBC        BAP        FAAAAAAAAA
141MAIN DC BUS NO.2                   UBC        BCJ        FAAAAAAAAA
141MAIN DC BUSS NO. 2                 UBC        BEB         AAAAAAAAA
141MAIN DC BUSS NO.2                  UBC        BUB         AAAAAAAAA
141 MAIN DC BUS NO2                   UBC        DDB         AAAAAAAAA
141 MAIN DC BUS NO2                   UBC        DFCA        AAAAAAAAA
141  MAIN DC BUS NO 2 28V             UBC        EAZ        111111111
141  MAIN DC BUS NO 2 28V             UBC        ECE        FAAAAAAAAA
141  MAIN DC BUS NO 2 28V             UBC        ECF        111111111
141  MAIN 28V  BUS NO 2 DC            UBC        ED         111111111
141  MAIN DC BUS NO 2 28V             UBC        EEA        FAAAAAAAAA
141  MAIN DC BUS NO 2 28V             UBC        EEB        FAAAAAAAAA
141 MAIN DC BUS NO 2 28V              UBC        EF         111111111
141 MAIN DC BUS NO 2                  UBC        FAL        FAAAAAAAAA
141 MAIN DC BUS NO 2                  UBC        FAP         AAAAAAAAA
141MAIN 28VDC NO 2                    UBC        FCCB        AAAAAAAAA
141MAIN DC 28V NO.2                   UBC        LFEEB       AAAAAAAAA
141MAIN DC 28V NO.2                   UBC        RFEEB       AAAAAAAAA
141 MAIN DC NO.2                      UBC        LFEEC      FAAAAAAAAA
141 MAIN DC NO.2                      UBC        RFEEC      FAAAAAAAAA
141 MAIN DC NO.2                      UBC        LFEED      FAAAAAAAAA
141 MAIN DC NO.2                      UBC        RFEED      FAAAAAAAAA
141 MAIN DC NO 2                      UBC        FFJ         AAAAAAAAA
141 MAIN DC NO 2                      UBC        FFP        FAAAAAAAAA
141 MAIN DC NO 2                      UBC        FFR        FAAAAAAAAA
141 MAIN DC NO 2                      UBC        FFS        FAAAAAAAAA
141 MAIN DC BUS NO.2                  UBC        FGV        111111111
141 MAIN DC NO 2                      UBC        FTH         AAAAAAAAA
141  MAIN DC BUS 12                   UBC        ME          AAAAAAAAA
141MAIN DC BUS NO 2                   UBC        UABN       FAAAAAAAAA
141MAIN DC BUS NO 2                   UBC        UACN       FAAAAAAAAA
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000000000111111111122222222233333333344444444455555555566666667777777778
123456789012345678901234567890123456789012345678901234567890123456789012345670
141MAIN DC BUS NO 2                          UBC          UAN          FAAAAAAAAA
141MAIN DC BUS NO 2 28VDC                    UBC          UHABB         AAAAAAAAA
141MAIN DC BUS NO 2-28VDC                    UBC          UHBKA         AAAAAAAAA
141MAIN DC BUS NO 2-28VDC                    UBC          UHCB          222222222
141MAIN DC BUS NO 2-28VDC                    UBC          UHCGA        FAAAAAAAAA
141 MAIN DC BUS NO2                          UBC          UZZZZ        S111111111
141 MAIN DC BUS                  42CAA       UBCA         UBC          A
141 SERVICE OUTLET               42CAC       UBCP         UBC          0
141MAIN DC AVIONICS BUS NO2                  UBD          CAAZZY        SAAAAAAAAA
141 MAIN DC AVIONICS BUS NO.2                UBD          CAC           111111111
141MAIN DC AVIONIC BUS NO.2                  UBD          CAH          FAAAAAAAAA
141MAIN DC AVIONIC BUS NO2                   UBD          CAP          FAAAAAAAAA
141MAIN DC AVIONIC BUS NO 2                  UBD          CAUH         FAAAAAAAAA
141MAIN 28VDC AVIONICS BUS NO2               UBD          CAV          FAAAAAAAAA
141MAIN DC AVG BUS NO 2                      UBD          CBDA         S111111111
141 MAIN DC AVIONICS BUS NO 2                UBD          CBDB         F111111111
141MAIN DC AVIONICS BUS NO.2                 UBD          CBDF         F111111111
141MAIN DC AVIONICS BUS NO 2                 UBD          CBE           111111111
141MAIN DC AVG BUS NO 2                      UBD          CBF          S111111111
141MAIN DC AVIONICS BUS                      UBD          CBFF         F111111111
141MAIN 28VDC AVIONICS BUS NO 2              UBD          CBFG         F111111111
141MAIN DC AVG BUS NO 2                      UBD          CC            AAAAAAAAA
141 MAIN DC AVICS BUS NO 2                   UBD          DCM           AAAAAAAAA
141 MAIN AVICS DC BUS NO 1                   UBD          DDCB          111111111
141 ELECT POWER-28VDC MAIN AV 2              UBD          LUKB          AAAAAAAAA
141 ELECT POWER-28VDC MAIN AV 2              UBD          RUKB          AAAAAAAAA
141 MAIN DC NAV BUS              42CAB       UBDA         UBD          A
141ISOLATED DC BUSS                          UBE          BABJ         FAAAAAAAAA
141ISOLATED DC BUSS                          UBE          BAEK         FAAAAAAAAA
141ISOLATED DC BUSS                          UBE          BAHJ         FAAAAAAAAA
141ISOLATED DC BUSS                          UBE          BAP          FAAAAAAAAA
141ISOLATED DC BUSS                          UBE          BCJ          FAAAAAAAAA
141ISOLATED DC BUSS                          UBE          BEL           AAAAAAAAA
141ISOLATED DC BUS                           UBE          BFA          FOAAAAAAAO
141ISOLATED DC BUS                           UBE          BJ            OAAAAAAAO
141ISOLATED DC BUSS                          UBE          BUB          FAAAAAAAAA
141  ISOLATED DC BUS 28V                     UBE          EAZ           111111111
141  ISOLATED 28V BUS                        UBE          ERK          FAAAAAAAAA
141  ISOLATED DC BUS 28V                     UBE          ECC           111111111
141  ISOLATED DC BUS 28V                     UBE          ECF           111111111
141 ISOLATED D C BUS                         UBE          ECS          FAAAAAAAAA
141  ISOLATED DC BUS 28V                     UBE          ECT           AAAAAAAAA
141  ISOLATED 28V DC BUS                     UBE          EDR           AAAAAAAAA
141  ISOLATED DC BUS 28V                     UBE          EDJ          FAAAAAAAAA
141 ISOLATED DC BUS 28V                      UBE          EFB           AAAAAAAAA
141 ISOLATED DC BUS                          UBE          EGA           111111111
141ISOLATED 28VDC                            UBE          FAQ           AAAAAAAAA
141 ISOLATED DC BUS                          UBE          FCCC         FAAAAAAAAA
141 ISOLATED DC BUS                          UBE          FCCD         FAAAAAAAAA
141 ISOLATED DC BUS                          UBE          FCCE          AAAAAAAAA
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000000000011111111112222222222333333333344444444445555555556666666666777777777 8
123456789012345678901234567890123456789012345678901234567890123456789012345678901
141 ISOLATED DC BUS 28VDC                    UBE                 FDR              AAAAAAAAA
141 ISOLATED DC BUS 28VDC                    UBE                 FDF              FAAAAAAAAA
141 ISOLATED DC BUS                          UBE                 FDFA             FAAAAAAAAA
141 ISOLATED DC BUS 28VDC                    UBE                 FDG              FAAAAAAAAA
141 ISOLATED DC BUS                          UBE                 FDGA             FAAAAAAAAA
141 ISOLATED DC BUS 28VDC                    UBE                 FDH              FAAAAAAAAA
141 ISOLATED DC BUS                          UBE                 FDHA             FAAAAAAAAA
141 ISOLATED DC BUS 28VDC                    UBE                 FDK              FAAAAAAAAA
141 ISOLATED DC BUS 28VDC                    UBE                 FDN              FAAAAAAAAA
141ISOLATED DC BUS 28VDC                     UBE                 LFED             AAAAAAAAA
141ISOLATED DC BUS 28VDC                     UBE                 RFED             AAAAAAAAA
141 ISOLATED DC BUS                          UBE                 FHC              FAAAAAAAAA
141 ISOLATED DC BUS                          UBE                 FLA              FAAAAAAAAA
141ISOLATED DC BUS                           UBE                 GADG             FAAAAAAAAA
141 ISOL 28V DC                              UBE                 GAEC             CDDCCCCDD
141 ISOL 28V                                 UBE                 GBF              AAAAAAAAA
141 ISOLATED  28V DC PWR                     UBE                 LAN              AAAAAAAAA
141 ISOLATED  28V DC PWR                     UBE                 LAU              AAAAAAAAA
141ISOLATED DC BUS                           UBE                 UAME             AAAAAAAAA
141ISOLATED DC BUS                           UBE                 UAMJ             FAAAAAAAAA
141ISOLATED DC BUS                           UBE                 UAML             FAAAAAAAAA
141ISOLATED DC BUS                           UBE                 UAMN             F555555555
141ISOLATED DC BUS                           UBE                 UAN              FAAAAAAAAA
141ISOLATED DC BUS                           UBE                 UATD             FAAAAAAAAA
141ISOLATED DC BUS                           UBE                 UBE7             111111111
141ISOLATED DC BUS 28VDC                     UBE                 UHA              SAAAAAAAAA
141ISOLATED DC BUS 28VDC                     UBE                 UHACA            FAAAAAAAAA
141ISOLATED DC BUS 28VDC                     UBE                 UHADA            FAAAAAAAAA
141ISOLATED DC BUS 28VDC                     UBE                 UHAX             FAAAAAAAAA
141ISOLATED DC BUS 28VDC                     UBE                 UHAY             FAAAAAAAAA
141ISOLATED BUS 28VDC                        UBE                 UHB              SAAAAAAAAA
141ISOLATED BUS-28VDC                        UBE                 UHBJ             FAAAAAAAAA
141ISOLATED BUS-28VDC                        UBE                 UHBP             FAAAAAAAAA
141ISOLATED BUS-28VDC                        UBE                 UHBR             FAAAAAAAAA
141 BUS ISOLATED DC              42GAM       UBEA                UBE                   A
141UBE POWER ATTENUATION                     UBEZ                BAE              S111111111
141ISOLATED DC BUSS ATTEN                    UBEZ                BAEJ              111111111
141ISOLATED DC BUSS ATTEN                    UBEZ                BAHK              111111111
141ISOLATED DC BUSS ATTEN                    UBEZ                BALJ              111111111
141ISOL DC AVIONICS BUS NO2                  UBF                 CAAZZY           S111111111
141ISOLATED DC AVIONICS BUS                  UBF                 CAUA             FAAAAAAAAA
141ISOLATED 28VDC AVIONICS BUS               UBF                 CAV              FAAAAAAAAA
141ISOL 28V DC AVC BUS                       UBF                 CBF     K UBD    S111111111
141ISOLATED DC AVION BUS                     UBF                 CBFF             F111111111
141ISOLATED 28VDC AVIONICS BUS               UBF                 CBFG             F111111111
141 BUS ISO DC AAV               42GAN       UBFA                UBF                   A
141DC FEEDER                                 UBG                 UBH      UD      111111111
141DC FEEDER                                 UBG                 UCA      UCC     111111111
141 RELAY-ISOL BUS REV CUR       42GAB       UBGA                UBG                   A
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000000000011111111112222222223333333334444444445555555556666666667777777778
123456789012345678901234567890123456789012345678901234567890123456789012345690
141ISOLATED FEEDER                          UBH          UBE      UCD   111111111
141ISOLATED FEEDER                          UBH          UBE      UCD   111111111
141NORMAL DC SUPPLY NO 1                    UBM          UB             111111111
141 XFORMER-RECTIFIER UNIT      42AGA       UBMA         UBM          A
141 RELAY-MAIN DC BUS REV CURR  42EAA       UBMB         UBM          A
141NORMAL DC SUPPLY NO 2                    UBN          UB             111111111
141 XFORMER-RECTIFIER UNIT      42AFA       UBNA         UBN          A
141 RELAY-MAIN DC BUS REV CURR  42EAA       UBNB         UBN          A
141DISTRIBUTION EQUIPMENT                   UBQ          UB             000000000
141 WIRING                      42CEF       UBQA         UBQ          A
141 WIRING                      42CAG       UBQB         UBQ          A
141PRESSURE SEALS               42HAA       UBQC         UBQ          1
141 TERMINAL STRIPS             42EAB       UBQD         UBQ          1
141 TERMINAL STRIP COVERS       42HAC       UBQE         UBQ          0
141 RELAY COVER                 42HAD       UBQF         UBQ          0
141 JUNCTION BOX                42EAE       UBQG         UBQ          1
141 FUSE                        42HAG       UBQH         UBQ          1
141 FUSE HOLDER                 42EAH       UBQJ         UBQ          0
141 CIRCUIT BREAKER             42EAK       UBQK         UBQ          A
141 CONNECTORS                  42HAL       UBQL         UBQ          A
141 CONDUIT                     42HAN       UBQM         UBQ          0
141EMERG GEN POWER DIST                     UC           BEL    K UB    SAAAAAAAAA
141EMERG GEN POWER DIST                     UC           BFA    K UB    SAAAAAAAAA
141EMERG GEN DIST                           UC           CAUA           S111111111
141EMERG GEN DIST                           UC           CBA    K UA    S889888888
141EMERG GEN DIST                           UC           CC     K UA    S111111111
141EMERG GEN DIST                           UC           DACA   K UAEF  SAAAAAAAAA
141EMERG GEN DIST                           UC           DBCA   K UAEF  SAAAAAAAAA
141EMERG GEN DIST                           UC           DCE    K UAEF  SAAAAAAAAA
141EMERG GEN DIST                           UC           DDD    K UBG   S111111111
141EMERG GEN DIST                           UC           DEA    K UAEF  SAAAAAAAAA
141 EMERG GEN DIST.                         UC           EA     K UB    S111111111
141 EMERG GEN DIST.                         UC           EB     K UB    S111111111
141 EMERG GEN DIST.                         UC           EC     K UB    S111111111
141 EMERG GEN DIST.                         UC           EDA    K UB    S111111111
141 EMERG GEN DIST.                         UC           EF     K UB    S111111111
141 EMER GEN DIST                           UC           FAQ            111111111
141 EMER GEN DIST                           UC           FCC    K UB    SAAAAAAAAA
141 EMER GEN DIST                           UC           FDB    K UB    S111222111
141 EMER GEN DIST                           UC           FE     K UB    SAAAAAAAAA
141 EMER GEN DIST                           UC           FGV    K UAEF  SAAAAAAAAA
141EMERG GEN DIST                           UC           GAA    K UB    S111111111
141EMERG GEN DIST                           UC           GBF    K UB    SAAAAAAAAA
141EMERGENCY GEN DIST                       UC           UAG    K UAEF  FAAAAAAAAA
141EMERGENCY GEN DIST                       UC           UAH    K UAEF  FAAAAAAAAA
141EMERGENCY GEN DIST                       UC           UCB    K UAE   FAAAAAAAAA
141EMERGENCY GEN DISTRIBUTION               UC           UCC      UD    F111111111
141EMERGENCY GEN DISTRIBUTION               UC           UCD            FAAAAAAAAA
141EMERG GEN DIST                           UC           UCZ            S111111111
141EMERG GEN DIST                           UC           UHA    K UB    S111111111
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000000000111111111112222222223333333333444444444455555555556666666667777777777
123456789012345678901234567890123456789012345678901234567890123456789012345678
141EMERG GEN DIST                          UC          UF3     K UB6    SIIIIIIIII
141 EMERG DC BUS                           UCA         CAC              111111111
141EMERGENCY DC BUS                        UCA         CBF              111111111
141EMERGENCY DC BUS                        UCA         CC               AAAAAAAAA
141 EMER DC BUS                            UCA         DCK              AAAAAAAAA
141 EMERGENCY DC BUS                       UCA         DDCB             333333333
141 EMERGENCY DC BUS                       UCA         DDD              AAAAAAAAA
141  EMERGENCY DC BUS                      UCA         EAZ              111111111
141  EMERG 28V BUS                         UCA         EBK              FAAAAAAAA
141  EMERGENCY DC BUS 28V                  UCA         ECF              111111111
141 EMERGENCY DC BUS                       UCA         FHL              AAAAAAAAA
141 EMERG DC BUS                           UCA         UAFE             AAAAAAAAA
141 ELECT POWER EMERG DC BUS               UCA         LUKQ             000000000
141 ELECT POWER EMERG DC BUS               UCA         RUKQ             000000000
141 ELECT POWER EMERG DC BUS               UCA         LUKT             000000000
141 ELECT POWER EMERG DC BUS               UCA         RUKT             000000000
141 BUS EMER DC                  42GAL     UCAA        UCA          A
141EMERGENCY AC BUS                        UCB         CBE              111111111
141EMERG AC BUS                            UCB         CC               AAAAAAAAA
141 EMER AC BUS                            UCB         DACA             AAAAAAAAA
141 EMER AC BUS                            UCB         DAGA             FAAAAAAAA
141 EMER AC BUS                            UCB         DBCA             AAAAAAAAA
141 EMER AC BUS                            UCB         DCE              AAAAAAAAA
141 EMER AC BUS                            UCB         DCJ              FAAAAAAAA
141 EMERGENCY AC BUS                       UCB         FHC              AAAAAAAAA
141EMERGENCY AC BUS                        UCB         UCBA             AAAAAAAAA
141 26VAC EMERGENCY BUS                    UCBA        FDN              AAAAAAAAA
141 ELECT POWER-EMERG 26VAC BUS            UCBA        LUKB             AAAAAAAAA
141 ELECT POWER-EMERG 26VAC BUS            UCBA        LUKJ             FAAAAAAAA
141 XFORMER-EMERGENCY INSTR      42GAE     UCBAA       UCBA         A
141 EMERGENCY AC BUS             42GAK     UCBAB       UCBA         A
141 RELAY-EMERGENCY BUS POWER    99427     UCBB        UCB          5
141 BUS EMERGENCY AC             42GAK     UCBC        UCB          A
141EMERGENCY BUS BACKUP                    UCC         UCA     K UBG    111111111
141 RECTIFIER                    42GAS     UCCA        UCC          A
141ISOLATED BUS PRIME BACKUP               UCD         UBE     K UBH    AAAAAAAAA
141ISOLATED BUS PRIME BACKUP               UCD         UBF     K UBH    AAAAAAAAA
141 RELAY-ISO DC BUS PWR         42GAG     UCDA        UCD          A
141 RECTIFIER                    42GAS     UCDB        UCD          A
141ISOLATION CONTROL                       UCE         UCD              AAAAAAAAA
141 SWITCH-PWR DISCON ISO BUS    42GAQ     UCEA        UCE          A
141EMERGENCY PWR GEN                       UCF         UC               AAAAAAAAA
141 MOTOR HYDRAULIC AC/DC GEN    45FAA     UCFA        UCF          A
141 GEN HYDR MOTOR DRIVEN        42GAA     UCFB        UCF          A
141 EMER-GEN HYDR MOT CONT SOL   42GAC     UCFC        UCF          A
141 SELECTOR VALVE               42GAD     UCFD        UCF          A
141 RELAY-FREQUENCY SENSATIVE    42GAF     UCFE        UCF          A
141EMER GEN CONTROL                        UCG         UCF              AAAAAAAAA
141 RELAY-EMER GEN CONTROL       42GAH     UCGA        UCG          A
141AIR CREW ACTION                         UCH         UCG              AAAAAAAAA
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000000000011111111112222222233333333344444444445555555556666666666777777777788
123456789012345678901234567890123456789012345678901234567890123456789012345678
141NORMAL INDICATION                          UCJ          UCH    I UAR    111111111
141 RELAY-DC BUS OFF INDICATOR  42CAF         UCJA         UCJ          5
141 DC LOADMETER                42CBA         UCJB         UCJ          5
141 SHUNT                       42CBB         UCJC         UCJ          5
141 VOLTMETER                   42CBC         UCJD         UCJ          5
141 SELECTOR SWITCH VOLTAGE     42CBD         UCJE         UCJ          5
141 WIRING                      42CBE         UCJF         UCJ          1
141 RELAY-EMER TEST             42CAJ         UCJG         UCJ          0
141 SWITCH-EMER GEN TEST        42CAF         UCJH         UCJ          0
141 SWITCH-INSTRUMENT PWR CONT  42CAP         UCJJ         UCJ          5
141EMERG GEN DIST SENSE ATTEN                 UCZ          BAB    K UB    S111111111
141EMERG GEN DIST SENSE ATTEN                 UCZ          BAF    K UB    S111111111
141EMERG GEN DIST SENSE ATTEN                 UCZ          BAH    K UB    S111111111
141EMERG GEN DIST SENSE ATTEN                 UCZ          BAL    K UB    S111111111
141BATTERY DISTRIBUTION                       UD           UBH    K UBG    AAAAAAAAA
141BATTERY DISTRIBUTION                       UD           UCC    K UC     AAAAAAAAA
141BATTERY                                    UDA          UD              AAAAAAAAA
141 BATTERY                     42AAA         UDAA         UDA          A
141 BATTERY BOX                 42AAB         UDAB         UDA          1
141 BATTERY BOX COVER           42AAC         UDAC         UDA          1
141 SUMP JAR                    42AAD         UDAD         UDA          1
141 SUMP JAR COVER              42AAE         UDAE         UDA          1
141 CATCH-BAT BOX               42AAF         UDAF         UDA          1
141 HANDLE ASSESSORY BAT BOX    42AAH         UDAG         UDA          0
141 SUMP JAR PAD                42AAJ         UDAH         UDA          0
141BATTERY CONTROL                            UDB          UD              AAAAAAAAA
141 SWITCH-BAT                  9942W         UDBA         UDB          A
141AIR CREW ACTION                            UDC          UDB             AAAAAAAAA
141EMERGENCY INDICATION                       UDD          UDC             111111111
141 VOLTMETER                   42CBC         UDDA         UDD          5
141 SELECTOR SWITCH VOLTAGE     42CBD         UDDB         UDD          5
141 WIRING                      42CBE         UDDC         UDD          1
141 RELAY-EMER TEST             42CAJ         UDDD         UDD          0
141 DC LOADMETER                42CBA         UDDE         UDD          5
141 SHUNT                       42CBB         UDDF         UDD          5
141 PLUMBING                    42AAK         UDX          UD           0
141 PLUG-BAT CONNECTION         42AAG         UDY          UD           A
141 RELAY BAT                   42BAC         UDZ          UD           A
141HYDRAULIC SYSTEM NO.1                      UHA          FCCA            AAAAAAAAA
141 HYD DISTRIBUTION SYSTEM 1                 UHA          FDF             AAAAAAAAA
141HYD SYS NO.1                               UHA          LFEEA           AAAAAAAAA
141HYD SYS NO.1                               UHA          RFEEA           AAAAAAAAA
141SYSTEM NO 1 HYD DIST                       UHA          UHAG           FAAAAAAAAA
141FLUID SUPPLY                               UHAA         UHA             AAAAAAAAA
141 RESERVOIR                   45AAA         UHAAA        UHAA         A
141 FILLER CAP                  45AAB         UHAAB        UHAA         0
141 SCREEN-FILLER NECK          45AAC         UHAAC        UHAA         0
141 SEAL-FILLER CAP             45AAD         UHAAD        UHAA         0
141 SIGHT GAUGE                 45AAE         UHAAE        UHAA         1
141 STRAP ASSY *MOUNTING<       45AAF         UHAAF        UHAA         1
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CCCDDD
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12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 GAGE DIRECT                    45EAB   UHAGC          UHAG          1
141 SNUBBER                        45AEN   UHAGD          UHAG          A
141SYSTEM NO 1 GROUND TEST                 UHAH           UHA                 000000000
141 GROUND TEST CONNECTION         45ADD   UHAHA          UHAH          0
141 COUPLING HALF-GRD CON PRESS    45AED   UHAHB          UHAH          0
141 DUST CAP ASSY                  45AEF   UHAHC          UHAH          0
141 INDICATOR ASSY                 45AFG   UHAHD          UHAH          0
141SYST PROTECTIVE CREW ACTION             UHAJ           UHADA               000000000
141 PRESSURE RELIEF VALVE          45ABA   UHAK           UHA           5
141 CHECK VALVE-PUMP CYLING        45ABL   UHAL           UHA           1
141 RESTRICTOR-PUMP CYLING         45ABM   UHAM           UHA           0
141 ELEMENT-RETURN LINE            45ADC   UHAN           UHA           0
141 FILTER HEAD ASSY               45ALH   UHAP           UHA           1
141 CHECK VALVE-GRD TEST CONN      45AGK   UHAQ           UHA           1
141 ELEMENT-PUMP CASE DRAIN        45AGB   UHAR           UHA           0
141 GROUND TEST CONNECTION         45ADD   UHAS           UHA           1
141 COUPLING HALF-GRD CONN SUCK    45AEE   UHAT           UHA           2
141 CLAMPS                         45AFG   UHAU           UHA           0
141 PLUMBING                       45AEL   UHAV           UHA           1
141 HOSE                           45AEM   UHAW           UHA           1
141 PUMP CASE DRAIN RELIEF VALV    45AEB   UHAWA          UHA           0
141NO 3 PUMP PRESS INDICATION              UHAX           UHAF                111111111
141 IND LIGHT LO PRESS WARN        45AEH   UHAXA          UHAX          A
141 PRESS SW-ENG LO PRESS WARN     45AEJ   UHAXB          UHAX          A
141NO 4 PUMP PRESS IND                     UHAY           UHAJ                111111111
141 IND LIGHT LO PRESS WARN        45AEH   UHAYA          UHAY          A
141 PRESS SW-ENG LO PRESS WARN     45AEJ   UHAYB          UHAY          A
141 HYD SYS NO 2                           UHB            FAE                 AAAAAAAAA
141HYDRAULIC SYSTEM NO 2                   UHB            FCCB                AAAAAAAAA
141 HYD DISTRIBUTION SYSTEM 2              UHB            FDG                 AAAAAAAAA
141HYD SYS NO.2                            UHB            LFEER               AAAAAAAAA
141HYD SYS NO2                             UHB            RFEEB               AAAAAAAAA
141 HYD SYS NO.2                           UHB            FFG                 111111111
141 NO.2 HYD SYSTEM                        UHB            FGC                 111111111
141 NO.2 HYDRAULIC SYSTEM                  UHB            FTB                 AAAAAAAAA
141 HYD POWER NO 2                         UHB            GADC                AAAAAAAAA
141 NO 2 HYD POWER                         UHB            GBB                 AAAAAAAAA
141 HYDRAULIC  SYST NO.2                   UHB            LAK                 010000010
141 HYDRAULIC  SYST NO.2                   UHB            LAN                 F111111111
141 HYDRAULIC  SYST NO.2                   UHB            LBB                 FAAAAAAAA
141 HYDRAULIC  SYST NO.2                   UHB            LEF                 FAAAAAAAA
141HYDRAULIC DIST SYST NO 2                UHB            UCF                 AAAAAAAAA
141SYSTEM NO 2 HYD DIST                    UHB            UHBM                FAAAAAAAA
141SUCTION ATTENUATION                     UHBA           UHB                 111111111
141FLUID SUPPLY                            UHBB           UHB                 AAAAAAAAA
141 RESERVOIR                      45EAA   UHBBA          UHBB          A
141 FILLER CAP                     45FAB   UHBBB          UHBB          0
141 SCREEN-FILLER NECK             45DAC   UHBBC          UHBB          0
141 SEAL-FILLER CAP                45BAD   UHBBD          UHBB          0
141 SIGHT GUAGE                    45BAE   UHBBE          UHBB          1
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00000000011111111112222222223333333334444444445555555556666666667777777773
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 STRAP ASSY-MOUNTING          45EAA    UH8B5     UH8B      1
141 RESERVOIR DRAIN VALVE        45EBC    UH83G     UH8B      1
141 CK VALVE ASSY                45EES    UH83H     UH8B      1
141 RESERVOIR VENT LINE          45EDE    UH82J     UH8B      0
141SYST NO 2 GROUND TEST                  UH8C      UH8                 000000000
141 INTERCON VAL NO 2&3 SYST     45EEM    UH83CA    UH8C      1
141 CK VAL NOS 2&3 SYST          45EFR    UH83CB    UH8C      1
141 GRD TEST CONN                45EGD    UH8CC     UH8C      0
141 DUST CAP ASSY                45EHA    UH86CD    UH8C      0
141 COUPLING HALF-GRD DISCONN    45EJE    UH8CE     UH8C      0
141 GRD CONN-PRESS               45EKF    UH8CF     UH8C      0
141 HANDLE-INTERCONN VALVE       45ELA    UH8CG     UH8C      1
141SUCTION-ELECTRIC                       UH8D      UH8A                111111111
141 SUCT LINE DRAIN VALVE        45EMD    UH8DA     UH8D      0
141 SUCT BOOST PRESS CK VALVE    45ENH    UH8DB     UH8D      1
141 ELECT SUCT BOOST PUMP        45EGB    UH8DC     UH8D      A
141 ELEC MOTOR-SUCT BOOST        45EGP    UH8DD     UH8D      A
141 RELAY-SUCT PUMP CONTROL      45EAE    UH8DE     UH8D      A
141SUCTION-HYDRAULIC                      UH8E      UH8A                111111111
141 SUCT PRESS LINE CK VALVE     45EBH    UH8EA     UH8E      1
141 SUCT PUMP RETURN CK VALVE    45EPL    UH8EB     UH8E      C
141 HYD SUCT BOOST PUMP          45ECC    UH8EC     UH8E      A
141 HYD MOTOR-SUCT BOOST         45ECE    UH8ED     UH8E      A
141NO 1 ENG PUMP PRESSURE                 UH8F      UH5                 111111111
141NO 1 ENG PUMP PRESSURE                 UH4F      UH8E                111111111
141 SUCT SHUTOFF VALVE NOT-OP    45EDE    UH8FA     UH8F      A
141 PRESS SHUTOFF VALV SOL-OP    45EGF    UH8FB     UH8F      A
141 PRESS LINE CK VALVE          45EHJ    UH8FC     UH8F      1
141 ENG PUMP RUNAROUND CK VALVE45EJK      UH8FD     UH8F      1
141 ENG DRIVEN PUMP              45ECA    UH8FE     UH8F      A
141 RUBBER HOSE                  45ECF    UH8FF     UH8F      1
141 ELEMENT-PRESS LINE           45EDA    UH8FG     UH8F      5
141FILTER HEAD                   45EDH    UH8FH     UH8F      1
141PRESS-QUICK DISCONNECT        45EEP    UH8FJ     UH8F      5
141 CASE DRAIN-QUICK DISCONNECT45EEC      UH8FK     UH8F      1
141 SUCT-QUICK DISCONNECT        45EED    UH8FL     UH8F      5
141NO 2 ENG PUMP PRESSURE                 UH8G      UH8                 111111111
141NO 2 ENG PUMP PRESSURE                 UH3G      UH8E                111111111
141 SUCT SHUTOFF VALVE NOT-OP    45EGE    UH8GA     UH8G      A
141 PRESS SHUTOFF VALVE SOL-OP   45EHF    UH8GB     UH8G      A
141 PRESS LINE CK VALVE          45EJJ    UH8GC     UH8G      1
141 ENG PUMP RUNAROUND CK VALVE45EKK      UH8GD     UH8G      1
141 ENG DRIVEN PUMP              45ECA    UH8GE     UH8G      A
141RUBBER HOSE                   45ECF    UH8GF     UH8G      1
141 ELEMENT-PRESS LINE           45EDA    UH8GG     UH8G      5
141 FILTER HEAD                  45EDH    UH8GH     UH8G      1
141 PRESS-QUICK DISCONNECT       45EEP    UH8GJ     UH8G      5
141 CASE DRAIN-QUICK DISCONNECT45EEC      UH8GK     UH8G      1
141 SUCT-QUICK DISCONNECT        45EED    UH8GL     UH8G      5
141SUCTION CONTROL                        UH8H      UH8D                AAAAAAAAA
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000000000011111111112222222223333333334444444444555555555666666666677777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 SWITCH-SUCT PUMP CONT          45DAC    UH6HA          UH6H          A
141NO 2 ENG PUMP CONTROL                    UH6J           UH6G            AAAAAAAAA
141 SW-PUMP SHUTOFF VALVE CONT     45DAA    UH6JA          UH6J          A
141 RELAY-EMERG SHUTDOWN           9945W    UH6JB          UH6J          A
141SYST PROTECT/AIR CREW ACTION             UH6K           UH6H            111111111
141SUCT STATUS INDICATION                   UH6KA          UH6K            AAAAAAAAA
141 PRESS SW-SUCT LINE             45EEH    UH6KB          UH6KA         A
141 LO PRESS WARN IND LIGHTS       45EEK    UH6KC          UH6KA         A
141SYST PROTECT/AIR CREW ACTION             UH6L           UH6P            000000000
141SYST NO 2 PRESS IND                      UH6M           UH6L            111111111
141SYST NO 2 PRESS IND                      UH6M           UH6N            111111111
141 SNUBBER                        45B6G    UH6MA          UH6M          A
141 REMOTE INDICATOR               45EAA    UH6MB          UH6M          1
141 TRANSMITTER                    45EA8    UH6MC          UH6M          1
141 GAGE DIRECT                    45EAC    UH6MD          UH6M          1
141SYST PROTECT/AIR CREW ACTION             UH6N           UH6J            000000000
141NO 1 ENG PUMP CONTROL                    UH6P           UH6F            AAAAAAAAA
141 SW-PUMP SHUTOFF VALVE CONT     45CAA    UH6PA          UH6P          A
141RELAY-EMERG SHUTDOWN            9945X    UH6PB          UH6P          A
141NO 1 ENG PUMP PRESS IND                  UH6Q           UH6L            111111111
141  PRESS SW-LO PRESS WARN        45BEJ    UH6QA          UH6Q          A
141  LO PRESS WARN IND LIGHTS      45BEK    UH6QB          UH6Q          A
141NO 2 ENG PUMP PRESS IND                  UH6R           UH6N            111111111
141 PRESS SW-LO PRESS WARN         45BEJ    UH6RA          UH6R          A
141 LO PRESS WARN IND LIGHTS       45BEK    UH6RB          UH6R          A
141 HYD SYS NO 3                            UHCA           FAF             AAAAAAAAA
141 IN-FLIGHT DISTR SYSTEM 3                UHCA           FDH             AAAAAAAAA
141 HYD SYS 3                               UHCA           LFEF            AAAAAAAAA
141 HYD SYS 3                               UHCA           RFEF            AAAAAAAAA
141 HYD SYS NO.3                            UHCA           FFG             111111111
141 NO.3 HYD SYSTEM                         UHCA           FGC             111111111
141SYST NO 3 IN-FLIGHT DIST                 UHCA           UH6C            AAAAAAAAA
141 HYD POWER NO 3                          UHCB           GAEC            AAAAAAAAA
141  NO 3 HYD SYSTEM DISTR                  UHCB           ME              AAAAAAAAA
141SYST NO 3 ESSENTIAL DIST                 UHCB           UAML            AAAAAAAAA
141 ACCUMULATOR CONT VALVE         45C6J    UHCBA          UHCB          2
141FLUID SUPPLY                             UHCC           UHCA            AAAAAAAAA
141FLUID SUPPLY                             UHCC           UHCB            AAAAAAAAA
141 RESERVOIR                      45CAA    UHCCA          UHCC          A
141 FILLER CAP                     45CAB    UHCCB          UHCC          0
141 SEAL FILLER CAP                45CAC    UHCCC          UHCC          0
141 SCREEN-FILLER CAP              45CAD    UHCCD          UHCC          0
141 SIGHT GUAGE                    45CAE    UHCCE          UHCC          1
141 STRAP ASSY&MOUNTING&           45CAF    UHCCF          UHCC          1
141 RESERVOIR DRAIN VALVE          45CBB    UHCCG          UHCC          1
141 ELEMENT-VENT LINE              45CE6    UHCCH          UHCC          0
141 FILTER HEAD                    45CEG    UHCCJ          UHCC          1
141DRIP PAN                        45CFD    UHCCK          UHCC          0
141 INDICATOR&EA&                  45CEF    UHCCL          UHCC          0
141NORMAL PRESSURE                          UHCD           UHCA            AAAAAAAAA
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CCOJOOOOOIIIIIIIIII222222222233333333444444444455555555566666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141NORMAL PRESSURE                          UHCD          UHCB      UHCF  222222222
141NORMAL PRESSURE                          UHCD          UHCA            FAAAAAAAAA
141 PRESS LINE CK VALVE %2EA<    45CBD      UHCDA         UHCD            1
141 PRESS RELIEF VALVE           45C3A      UHCDB         UHCD            3
141 ELEMENT-PRESS LINE           45CEA      UHCDC         UHCD            5
141 ELEMENT-RETURN LINE          45CEC      UHCDD         UHCD            0
141 ELEMENT-CASE DRAIN           45CEE      UHCDE         UHCD            0
141 FILTER HEAD %3EA<            45CEG      UHCDF         UHCD            1
141 CLAMPS                       45CFE      UHCDG         UHCD            0
141 HOSE                         45CFF      UHCDH         UHCD            1
141 PLUMBING                     45CFG      UHCDJ         UHCD            1
141MANUAL PUMP PRESSURE                     UHCE          UHCF    K UHC)    AAAAAAAAA
141 HAND PUMP PRESS CK VALVE     45CBF      UHCEA         UHCE            5
141 ACCUMULATOR%ONT VALVE        45CBJ      UHCEB         UHCE            4
141 HAND PUMP                    45CCR      UHCEC         UHCE            A
141 PUMP HANDLE                  45CCC      UHCED         UHCE            A
141 RUBBER HOSE                  45CCD      UHCEE         UHCE            1
141 ACCUM FILLER VALVE %2EA<     45CDA      UHCEF         UHCB            1
141 ACCUM MOUNTING BRACKET %2EA  45CDB      UHCEG         UHCB            1
141 ACCUM GAGE %2EA<             45EAC      UHCEH         UHCB            1
141 VALVE-SPOILER SERVO SELECT   14HAC      UHCEJ         UHCB            5
141 SOLENOID-CABLE SERVO         14HBD      UHCEK         UHCB            5
141 RELAY-SPOILER CABLE SERVO    14HBJ      UHCEL         UHCB            5
141 RELAY-AILERON CONTROL        14AUC      UHCEM         UHCB            1
141ELECTRIC PUMP NO 1                       UHCF          UHCD              111111111
141CONTROL-ELEC PUMP NO 1                   UHCFA         UHCF              AAAAAAAAA
141 SWITCH NO 3 SYST PUMP NO 1   45DAB      UHCFAA        UHCFA           1
141 RELAY NO 3 SYST PUMP CONT    45DAD      UHCFAB        UHCFA           A
141 WIRING PUMP RAMP CONT        45DAH      UHCFAC        UHCFA           1
141 SWITCH NO 3 SYST %CONT PRE<  45DAG      UHCFAD        UHCFA           1
141 CK VALVE-CASE DRAIN          45CEE      UHCFB         UHCF            0
141 RESTRICTOR-PUMP STARTING     45CFG      UHCFC         UHCF            0
141 HYDRAULIC FUSE               45CBK      UHCFD         UHCF            0
141 ELEC DRIVEN PUMP             45CCA      UHCFE         UHCF            A
141 FILLER VALVE %ACCUM<         45CDA      UHCFF         UHCF            C
141 MOUNTING BRACKET %ACCUM<     45CDB      UHCFG         UHCF            0
141 GAGE ACCUM                   45EAC      UHCFH         UHCF            0
141 CK VALVE-ELEC MOTOR PUMP     45CBC      UHCFZ         UHCF            1
141ELECTRIC PUMP NO 2                       UHCG          UHCD              111111111
141CONTROL-ELEC PUMP NO 2                   UHCGA         UHCG              AAAAAAAAA
141 SWITCH NO 3 SYST PUMP NO 2   45DAB      UHCGAA        UHCGA           1
141 RELAY NO 3 SYST PUMP CONT    45DAD      UHCGAB        UHCGA           A
141 TIME DELAY RELAY NO 3 SYST   45DAF      UHCGAC        UHCGA           A
141 WIRING PUMP RAMP CONT        45DAH      UHCGAD        UHCGA           1
141 SWITCH NO 3 SYST %CONT PRE<  45DAG      UHCGAE        UHCGA           1
141 CK VALVE-ELEC MOTOR PUMP     45CBC      UHCGB         UHCG            1
141 CK VALVE-CASE DRAIN          45CBE      UHCGC         UHCG            0
141 RESTRICTOR-PUMP STARTING     45CBG      UHCGD         UHCG            0
141 HYDRAULIC FUSE               45CBK      UHCGE         UHCG            0
141 ELEC DRIVEN PUMP             45CCA      UHCGF         UHCG            A
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123456789012345678901234567890123456789012345678901234567890123456789012345678
141 FILLR VALVE ACCUM<          45CDA   UHCGG          UHCG          0
141 MOUNTING BRACKET ACCUM<     45CDB   UHCGH          UHCG          0
141 GAGE ACCUM                  45EAC   UHCGJ          UHCG          0
141SYST PROTECT/AIR CREW ACTION         UHCH           UHCF                111111111
141PUMP PRESSURE INDICATION             UHCM           UHCH    I UHCD      AAAAAAAAA
141 PRESS SWITCH                45CFB   UHCMA          UHCM          A
141 LO PRESS WARN LIGHT         45CFC   UHCMB          UHCM          A
141 SNUBBER                     45C3H   UHCMC          UHCM          A
141 INDICATOR REMOTE            45EAA   UHCMD          UHCM          1
141TRANSMITTER                  45EAB   UHCME          UHCM          1
141 GAGE DIRECT                 45EAD   UHCMF          UHCM          1
141 PRESS RELIEF VALVE          45BBA   UHDA           UHB           3
141 RELIEF VALVE-PUMP CASE      45BBB   UHDB           UHB           0
141 CK VALVE-LAND GEAR FREEFALL 45BBG   UHDC           UHB           3
141 CK VALVE                    45BBS   UHDD           UHB           1
141 CK VALVE-PUMP COOLING       45BBT   UHDE           UHB           1
141 RESTRICTOR-PUMP COOLING     45BBU   UHDF           UHB           0
141 ELEMENT-CASE DRAIN RETURN   45EDB   UHDG           UHB           0
141 ELEMENT-RETURN LINE         45BDC   UHDH           UHB           0
141 FILTER HEAD ASSY<           45BDH   UHDJ           UHB           1
141 CLAMPS                      45BEL   UHDK           UHB           0
141 HOSE                        45BEM   UHDL           UHB           1
141 PLUMBING                    45BEN   UHDM           UHB           1
141 INDICATOR ASSY<             45BDG   UHDN           UHB           0
141 CK VAL GRD TEST CONN        45BBP   UHDP           UHB           1
141 GRD CONNECTION-SUCT         45BEG   UHDQ           UHB           2
141 VERT VELO DIST SNO1<                LUKA           DAGA                AAAAAAAAA
141 VERTVELO DIST SNO2<                 RUKA           DAGB                AAAAAAAAA
141 VERT VELOCITY CADC NO 2             RUKA           FKB                 111111111
141VERT VELOCITY COMPUTATION            LUKB           LUKA                AAAAAAAAA
141VERT VELOCITY COMPUTATION            RUKB           RUKA                AAAAAAAAA
141 COMPUTER PRIMARY            51AAE   LUKBA          LUKB          8
141 COMPUTER PRIMARY            51AAE   RUKBA          RUKB          8
141 AMPLIFIER MONITOR AND RATE  51AAV   LUKBB          LUKB          8
141 AMPLIFIER MONITOR AND RATE  51AAV   RUKBB          RUKB          8
141 RELAY ASSY                  51AAS   LUKBC          LUKB          8
141 RELAY ASSY                  51AAS   RUKBC          RUKB          8
141 PANEL ALTITUDE MONITOR      9951E   LUKBD          LUKB          1
141 PANEL ALTITUDE MONITOR      9951E   RUKBD          RUKB          1
141 POWER SUPPLY REGULATED      51AAF   LUKBE          LUKB          8
141 POWER SUPPLY REGULATED      51AAF   RUKBE          RUKB          8
141  CENTRAL AIR DATA COMPUTER  51AAA   LUKBH          LUKB          8
141  CENTRAL AIR DATA COMPUTER  51AAA   RUKBH          RUKB          8
141 ALT DIST SNO2<                      LUKC           DAC                 111111111
141 ALT DIST SNO1<                      RUKC           DAC                 111111111
141 ALTITUDE DIST CADC NO 2             RUKC           FKB                 111111111
141 CADC NO.2                           RUKC           FKD                 FAAAAAAAAA
141 IAS DIST SOVERSPEED<                LUKD           DDCA                111111111
141 IAS DIST SOVERSPEED<                RUKD           DDCA                111111111
141IAS COMPUTATION                      LUKE           LUKD                AAAAAAAAA
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000000000111111111122222222233333333344444444455555555566666666677777777778
123456789012345678901234567890123456789012345678901234567890123456789012345678
141IAS COMPUTATION                          RUKE      RUKD          AAAAAAAAA
141 COMPUTER PRIMARY              51AAE     LUKEA     LUKE       8
141 COMPUTER PRIMARY              51AAE     RUKEA     RUKE       8
141 AMPLIFIER MONITORING          51AAN     LUKEB     LUKE       8
141 AMPLIFIER MONITORING          51AAN     RUKEB     RUKE       8
141 RELAY ASSY                    51AAS     LUKEC     LUKE       8
141 RELAY ASSY                    51AAS     RUKEC     RUKE       8
141 PANEL IAS MONITOR             99910     LUKED     LUKE       1
141 PANEL IAS MONITOR             99910     RUKED     RUKE       1
141 POWER SUPPLY REGULATED        51AAR     LUKEF     LUKE       8
141 POWER SUPPLY REGULATED        51AAR     RUKEF     RUKE       8
141  CENTRAL AIR DATA COMPUTER    51AAA     LUKEH     LUKE       8
141  CENTRAL AIR DATA COMPUTER    51AAA     RUKEH     RUKE       8
141ALTITUDE COMPUTATION                     LUKF      LUKB          AAAAAAAAA
141ALTITUDE COMPUTATION                     LUKF      LUKC          AAAAAAAAA
141ALTITUDE COMPUTATION                     LUKF      LUKE          AAAAAAAAA
141ALTITUDE COMPUTATION                     RUKF      RUKB          AAAAAAAAA
141ALTITUDE COMPUTATION                     RUKF      RUKC          AAAAAAAAA
141ALTITUDE COMPUTATION                     RUKF      RUKE          AAAAAAAAA
141 AMPLIFIER ALTIMETER           51ABO     LUKFA     LUKF       8
141 AMPLIFIER ALTIMETER           51ABO     RUKFA     RUKF       8
141 AMPLIFIER ELECTRONIC CONT     51AAM     LUKFB     LUKF       8
141 AMPLIFIER ELECTRONIC CONT     51AAM     RUKFB     RUKF       8
141 MACH DIST NO 1                          LUKG      DBCA          AAAAAAAAA
141 MACH DIST MOVERSPEED<                   LUKG      DDCA          F111111111
141 ALTITUDE DISTRIBUTION #1                LUKG      ECH           111000111
141 CADC NO.1                               LUKG      FDN           333333333
141CADC 1                                   LUKG      FGF           111111111
141 CADC NO.1                               LUKG      FTM           AAAAAAAAA
141 MACH DIST NO 2                          RUKG      DBCB          AAAAAAAAA
141 MACH DIST MOVERSPEED<                   RUKG      DDCA          F111111111
141 ALTITUDE DISTRIBUTION #2                RUKG      ECK           111000111
141 CADC NO.2                               RUKG      FDN           333333333
141CADC 2                                   RUKG      FGF           111111111
141 MACH DIST CADC NO 2                     RUKG      FJB           111111111
141 CADC NO.2                               LUKH      CBFU          111111111
141 TAS DIST AND 1<                         LUKH      DBE           111111111
141 CADC NO.1 TAS                           LUKH      FCM           111111111
141 CADC NO.2                               RUKH      CBFU          111111111
141 TAS DIST AND 2<                         RUKH      DBE           111111111
141 CADC NO.2 TAS                           RUKH      FCM           111111111
141 TAS DIST CADC NO 2                      RUKH      FKB           111111111
141TAS COMPUTATION                          LUKJ      LUKH          AAAAAAAAA
141TAS COMPUTATION                          RUKJ      RUKH          AAAAAAAAA
141 COMPUTER PRIMAY               51AAE     LUKJA     LUKJ       8
141 COMPUTER PRIMAY               51AAE     RUKJA     RUKJ       8
141 TAS MODULE                    51AAK     LUKJB     LUKJ       8
141 TAS MODULE                    51AAK     RUKJB     RUKJ       8
141 AMPLIFIER BUFFER              51AAP     LUKJC     LUKJ       8
141 AMPLIFIER BUFFER              51AAP     RUKJC     RUKJ       8
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000000000111111111122222222223333333334444444444555555556666666667777777777 .
123456789012345678901234567890123456789012345678901234567890123456789012345678
141 POWER SUPPLY REGULATED      51AAR  LUKJD        LUKJ        8
141 POWER SUPPLY REGULATED      51AAR  RUKJD        RUKJ        8
141 RELAY ASSY                  51AAS  LUKJE        LUKJ        A
141 RELAY ASSY                  51AAS  RUKJE        RUKJ        A
141  CENTRAL AIR DATA COMPUTER  51AAA  LUKJH        LUKJ        8
141  CENTRAL AIR DATA COMPUTER  51AAA  RUKJH        RUKJ        8
141MACH COMPUTATION                    LUKK         LUKE          AAAAAAAAA
141MACH COMPUTATION                    LUKK         LUKG          AAAAAAAAA
141MACH COMPUTATION                    LUKK         LUKJ          AAAAAAAAA
141MACH COMPUTATION                    RUKK         RUKE          AAAAAAAAA
141MACH COMPUTATION                    RUKK         RUKG          AAAAAAAAA
141MACH COMPUTATION                    RUKK         RUKJ          AAAAAAAAA
141 MACH MODULE                 51AAF  LUKKA        LUKK        8
141 MACH MODULE                 51AAF  RUKKA        RUKK        8
141 AMPLIFIER AIRSPEED MACH     51ACQ  LUKKB        LUKK        8
141 AMPLIFIER AIRSPEED MACH     51ACQ  RUKKB        RUKK        8
141 TEMPERATURE COMPENSATION           LUKL         LUKJ          88888888
141 TEMPERATURE COMPENSATION           RUKL         RUKJ          88888888
141  AMPLIFIER ISOLATION        51AAQ  LUKLA        LUKL        8
141  AMPLIFIER ISOLATION        51AAQ  RUKLA        RUKL        8
141  WIRING                     51AAU  LUKLB        LUKL        1
141  WIRING                     51AAU  RUKLB        RUKL        1
141 ALTITUDE SIGNAL GENERATION         LUKN         LUKE          AAAAAAAAA
141 ALTITUDE SIGNAL GENERATION         RUKN         RUKE          AAAAAAAAA
141  MECHANISM PRESS ALTITUDE  51AAG  LUKNA        LUKN        8
141  MECHANISM PRESS ALTITUDE  51AAG  RUKNA        RUKN        8
141  STATIC PRESSURE SENSING           LUKP         LUKN          AAAAAAAAA
141  STATIC PRESSURE SENSING           RUKP         RUKN          AAAAAAAAA
141  STATIC PRESSURE SENSING           RUKP         UKV           AAAAAAAAA
141   SENSOR ASSY STATIC PRES  51AAH  LUKPA        LUKP        8
141   SENSOR ASSY STATIC PRES  51AAH  RUKPA        RUKP        8
141   PITOT HEAD STATIC LH     51BAH  LUKPB        LUKP        8
141   PITOT HEAD STATIC LH     51BAH  RUKPB        RUKP        8
141   PLUMBING                 51BAA  LUKPC        LUKP        A
141   PLUMBING                 51BAA  RUKPC        RUKP        A
141   STATIC ICE FREE                 LUKQ         LUKP  A       AAAAAAAAA
141   STATIC ICE FREE                 RUKQ         RUKP  A       AAAAAAAAA
141    SWITCH HEATER           51BAB  LUKQA        LUKQ        A
141    SWITCH HEATER           51BAB  RUKQA        RUKQ        A
141    RELAY HEATER            51BAC  LUKQB        LUKQ        A
141    RELAY HEATER            51BAC  RUKQB        RUKQ        A
141    LIGHT HEATER FAULTED    51BAD  LUKQC        LUKQ        1
141    LIGHT HEATER FAULTED    51BAD  RUKQC        RUKQ        1
141    RELAY STATIC HEAD       51BAE  LUKQD        LUKQ        A
141    RELAY STATIC HEAD       51BAE  RUKQD        RUKQ        A
141    WIRING                  51BAG  LUKQE        LUKQ        1
141    WIRING                  51BAG  RUKQE        RUKQ        1
141 MACH SIGNAL GENERATION             LUKR         LUKK          AAAAAAAAA
141 MACH SIGNAL GENERATION             RUKR         RUKK          AAAAAAAAA
141  IMPACT PRESSURE MODULE     51AAL  LUKRA        LUKR        8
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000000000011111111112222222223333333334444444444555555555566666667777777777
123456789012345678901234567890123456789012345678901234567890123456789012345678
141   IMPACT PRESSURE MODULE    51AAL  RUKRA          RUKR          3
141   PITOT STATIC PRES SENSING       LUKS           LUKR            AAAAAAAAA
141   PITOT STATIC PRES SENSING       RUKS           RUKR            AAAAAAAAA
141   PITOT STATIC PRES SENSING       RUKS           UKR             AAAAAAAAA
141    SENSOR ASSY IMPACT PRES 51AAJ  LUKSA          LUKS          8
141    SENSOR ASSY IMPACT PRES 51AAJ  RUKSA          RUKS          8
141    PITOT HEAD STATIC HH    51EAJ  LUKSB          LUKS          8
141    PITOT HEAD STATIC HH    51EAJ  RUKSB          RUKS          8
141    VALVE MANUAL SHUT OFF&2<51BAF  LUKSC          LUKS          1
141    VALVE MANUAL SHUT OFF&2<51EAF  RUKSC          RUKS          1
141    PLUMBING                51BAA  LUKSD          LUKS          8
141    PLUMBING                51EAA  RUKSD          RUKS          8
141    PITOT STATIC ICE FREE           LUKT           LUKS    A       AAAAAAAAA
141    PITOT STATIC ICE FREE           RUKT           RUKS    A       AAAAAAAAA
141     SWITCH HEATER          51BAB  LUKTA          LUKT          A
141     SWITCH HEATER          51BAB  RUKTA          RUKT          A
141     RELAY HEATER           51BAC  LUKTB          LUKT          A
141     RELAY HEATER           51BAC  RUKTB          RUKT          A
141     LIGHT HEATER FAULTED   51BAD  LUKTC          LUKT          1
141     LIGHT HEATER FAULTED   51BAD  RUKTC          RUKT          1
141     RELAY STATIC HEAD      51BAE  LUKTD          LUKT          A
141     RELAY STATIC HEAD      51BAE  RUKTD          RUKT          A
141     WIRING                 51BAG  LUKTE          LUKT          1
141     WIRING                 51BAG  RUKTE          RUKT          1
141 TOTAL TEMP SENSE NO 1              LUKU           DCNB            AAAAAAAAA
141  TOTAL AIR TEMP SENSING            LUKU           LUKL            AAAAAAAAA
141 TOTAL TEMP SENSE NO 2              RUKU           DCNA            AAAAAAAAA
141  TOTAL AIR TEMP SENSING            RUKU           RUKL            AAAAAAAAA
141   TOTAL TEMP PROBE          51BFA  LUKUA          LUKU          A
141   TOTAL TEMP PROBE          51BFA  RUKUA          RUKU          A
141   SWITCH DE-ICE             51BFB  LUKUB          LUKU          0
141   SWITCH DE-ICE             51BFB  RUKUB          RUKU          0
141   SENSOR TEMPERATURE        51AAT  LUKUC          LUKU          A
141   SENSOR TEMPERATURE        51AAT  RUKUC          RUKU          A
141   WIRING                    51BFD  LUKUD          LUKU          1
141   WIRING                    51BFD  RUKUD          RUKU          1
141 STATIC PRESS DIST                  UKV            DAD             AAAAAAAAA
141 STATIC PRESS DIST                  UKV            DAE             AAAAAAAAA
141 STATIC PRESS DIST                  UKV            DBD             AAAAAAAAA
141 STATIC PRESSURE                    UKV            DEA             555555555
141 PITOT PRESS DIST                   UKW            DBD             AAAAAAAAA
141 PITOT PRESSURE                     UKW            DEA             222222222
141INFO ONLY-GENERATOR FAILURE         UX             UX             F0000000000
141 STARTER/GEN/HYD PUMP DRIVE 23CBC   UXACW          UAAK          A
141 STARTER/GEN/HYD PUMP DRIVE 23CBC   UXACW          UHBF          A
141 STARTER/GEN/HYD PUMP DRIVE 23CBC   UXACX           UABK          A
141 STARTER/GEN/HYD PUMP DRIVE 23CBD   UXACX           UHBG          A
141 STARTER/GEN/HYD PUMP DRIVE 23CBD   UXACY           UACK          A
141 STARTER/GEN/HYD PUMP DRIVE 23CBC   UXACY           UHAC          A
141 STARTER/GEN/HYD PUMP DRIVE 23CBC   UXACZ           UADK          A
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0000000011111111112222222223333333344444444445555555556666666667777777775
12345678901234567890123456789012345678901234567890123456789012345678901234
141 STARTER/GEN/HYD PUMP DRIVE 23C60   UXACZ          DHAD          A
141PURGE ATTENUATION                  UZZZZ          HAB           S111111111
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CARD COUNT IS 00005254. CARDS WITH ERRORS 00000000