



COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

AIRPLANE IDENTIFICATION UNIT MODULE ASSEMBLY

**PART NUMBER
65-52823-1**

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23-27-03

Page 1
Jul 01/2009



COMPONENT MAINTENANCE MANUAL

Revision No. 9
Jul 01/2009

To: All holders of AIRPLANE IDENTIFICATION UNIT MODULE ASSEMBLY 23-27-03.

Attached is the current revision to this COMPONENT MAINTENANCE MANUAL

The COMPONENT MAINTENANCE MANUAL is furnished either as a printed manual, on microfilm, or digital products, or any combination of the three. This revision replaces all previous microfilm cartridges or digital products. All microfilm and digital products are reissued with all obsolete data deleted and all updated pages added.

For printed manuals, changes are indicated on the List of Effective Pages (LEP). The pages which are revised will be identified on the LEP by an R (Revised), A (Added), O (Overflow, i.e. changes to the document structure and/or page layout), or D (Deleted). Each page in the LEP is identified by Chapter-Section-Subject number, page number and page date.

Pages replaced or made obsolete by this revision should be removed and destroyed.

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23-27-03
TRANSMITTAL LETTER
Page 1
Jul 01/2009



COMPONENT MAINTENANCE MANUAL

Location of Change

Description of Change

NO HIGHLIGHTS

23-27-03

HIGHLIGHTS

Page 1

Jul 01/2009



COMPONENT MAINTENANCE MANUAL

Subject/Page	Date	Subject/Page	Date	Subject/Page	Date
TITLE PAGE		23-27-03 TESTING AND FAULT ISOLATION (cont)		23-27-03 TESTING AND FAULT ISOLATION (cont)	
O 1	Jul 01/2009	104	Mar 01/2007	142	Mar 01/2007
2	BLANK	105	Mar 01/2007	143	Mar 01/2007
23-27-03 TRANSMITTAL LETTER		106	Mar 01/2007	144	Mar 01/2007
O 1	Jul 01/2009	107	Mar 01/2007	145	Mar 01/2007
2	BLANK	108	Mar 01/2007	146	Mar 01/2007
23-27-03 HIGHLIGHTS		109	Mar 01/2007	147	Mar 01/2007
O 1	Jul 01/2009	110	Mar 01/2007	148	Mar 01/2007
2	BLANK	111	Mar 01/2007	149	Mar 01/2007
23-27-03 EFFECTIVE PAGES		112	Mar 01/2007	150	Mar 01/2007
1 thru 2	Jul 01/2009	113	Mar 01/2007	151	Mar 01/2007
23-27-03 CONTENTS		114	Mar 01/2007	152	Mar 01/2007
1	Mar 01/2006	115	Mar 01/2007	153	Mar 01/2007
2	BLANK	116	Mar 01/2007	154	Mar 01/2007
23-27-03 TR AND SB RECORD		117	Mar 01/2007	23-27-03 DISASSEMBLY	
1	Mar 01/2006	118	Mar 01/2007	301	Mar 01/2006
2	BLANK	119	Mar 01/2007	302	BLANK
23-27-03 REVISION RECORD		120	Mar 01/2007	23-27-03 CLEANING	
1	Mar 01/2006	121	Mar 01/2007	401	Mar 01/2006
2	Mar 01/2006	122	Mar 01/2007	402	BLANK
23-27-03 RECORD OF TEMPORARY REVISIONS		123	Mar 01/2007	23-27-03 CHECK	
1	Mar 01/2006	124	Mar 01/2007	501	Mar 01/2006
2	Mar 01/2006	125	Mar 01/2007	502	BLANK
23-27-03 INTRODUCTION		126	Mar 01/2007	23-27-03 REPAIR - GENERAL	
1	Mar 01/2009	127	Mar 01/2007	601	Mar 01/2006
2	BLANK	128	Mar 01/2007	602	BLANK
23-27-03 DESCRIPTION AND OPERATION		129	Mar 01/2007	23-27-03 ASSEMBLY	
1	Mar 01/2007	130	Mar 01/2007	701	Mar 01/2006
2	Mar 01/2007	131	Mar 01/2007	702	BLANK
3	Mar 01/2007	132	Mar 01/2007	23-27-03 FITS AND CLEARANCES	
4	Mar 01/2007	133	Mar 01/2007	801	Mar 01/2006
5	Mar 01/2006	134	Mar 01/2007	802	BLANK
6	BLANK	135	Mar 01/2007	23-27-03 SPECIAL TOOLS, FIXTURES, AND EQUIPMENT	
23-27-03 TESTING AND FAULT ISOLATION		136	Mar 01/2007	901	Mar 01/2006
101	Nov 01/2006	137	Mar 01/2007	902	BLANK
102	Mar 01/2007	138	Mar 01/2007	23-27-03 ILLUSTRATED PARTS LIST	
103	Mar 01/2007	139	Mar 01/2007	1001	Nov 01/2008
		140	Mar 01/2007	1002	Jul 01/2006
		141	Mar 01/2007	1003	Nov 01/2006

A = Added, R = Revised, D = Deleted, O = Overflow

23-27-03

EFFECTIVE PAGES

Page 1

Jul 01/2009



COMPONENT MAINTENANCE MANUAL

Subject/Page	Date	Subject/Page	Date	Subject/Page	Date
23-27-03 ILLUSTRATED PARTS LIST (cont)		23-27-03 ILLUSTRATED PARTS LIST (cont)			
1004	Jul 01/2006	1042	Nov 01/2006		
1005	Jul 01/2006	1043	Nov 01/2006		
1006	Jul 01/2006	1044	Nov 01/2006		
1007	Jul 01/2006	1045	Nov 01/2006		
1008	Jul 01/2006	1046	Nov 01/2006		
1009	Mar 01/2006	1047	Nov 01/2006		
1010	Mar 01/2006	1048	Nov 01/2006		
1011	Mar 01/2006	1049	Mar 01/2006		
1012	Mar 01/2006	1050	Mar 01/2006		
1013	Mar 01/2006	1051	Mar 01/2006		
1014	Mar 01/2006	1052	Mar 01/2006		
1015	Mar 01/2006	1053	Mar 01/2006		
1016	Mar 01/2006	1054	Mar 01/2006		
1017	Mar 01/2006	1055	Mar 01/2006		
1018	Mar 01/2006	1056	Mar 01/2006		
1019	Mar 01/2006	1057	Mar 01/2006		
1020	Mar 01/2006	1058	Mar 01/2006		
1021	Mar 01/2006	1059	Mar 01/2006		
1022	Mar 01/2006	1060	Mar 01/2006		
1023	Mar 01/2006	1061	Mar 01/2006		
1024	Mar 01/2006	1062	Mar 01/2006		
1025	Mar 01/2006	1063	Mar 01/2006		
1026	Mar 01/2006	1064	Mar 01/2006		
1027	Mar 01/2006	1065	Mar 01/2006		
1028	Mar 01/2006	1066	Mar 01/2006		
1029	Mar 01/2006	1067	Mar 01/2006		
1030	Mar 01/2006	1068	Mar 01/2006		
1031	Mar 01/2006	1069	Mar 01/2006		
1032	Mar 01/2006	1070	Mar 01/2006		
1033	Mar 01/2006	1071	Mar 01/2006		
1034	Mar 01/2006	1072	Mar 01/2006		
1035	Mar 01/2006				
1036	Mar 01/2006				
1037	Nov 01/2006				
1038	Nov 01/2006				
1039	Nov 01/2006				
1040	Nov 01/2006				
1041	Nov 01/2006				

A = Added, R = Revised, D = Deleted, O = Overflow

23-27-03

EFFECTIVE PAGES

Page 2

Jul 01/2009



COMPONENT MAINTENANCE MANUAL

TABLE OF CONTENTS

<u>Paragraph Title</u>		<u>Page</u>
AIRPLANE IDENTIFICATION UNIT MODULE ASSEMBLY - DESCRIPTION AND OPERATION		1
TESTING AND FAULT ISOLATION		101
DISASSEMBLY	(Not Applicable)	
CLEANING	(Not Applicable)	
CHECK	(Not Applicable)	
REPAIR		601
ASSEMBLY	(Not Applicable)	
FITS AND CLEARANCES	(Not Applicable)	
SPECIAL TOOLS, FIXTURES, AND EQUIPMENT	(Not Applicable)	
ILLUSTRATED PARTS LIST		1001

23-27-03

CONTENTS

Page 1

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL

23-27-03

TR AND SB RECORD

Page 1

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

All revisions to this manual will be accompanied by transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the revision date, the date filed and the initials of the person filing.

Revision		Filed	
Number	Date	Date	Initials

Revision		Filed	
Number	Date	Date	Initials

23-27-03

REVISION RECORD

Page 1

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

All temporary revisions to this manual will be accompanied by a cover sheet bearing the temporary revision number. Enter the temporary revision number in numerical order, together with the temporary revision date, the date the temporary revision is inserted and the initials of the person filing. When the temporary revision is incorporated or cancelled, and the pages are removed, enter the date the pages are removed and the initials of the person who removed the temporary revision.

Temporary Revision		Inserted		Removed		Temporary Revision		Inserted		Removed	
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23-27-03

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COMPONENT MAINTENANCE MANUAL

Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials

Temporary Revision		Inserted		Removed	
Date	Initials	Number	Date	Date	Initials

23-27-03

RECORD OF TEMPORARY REVISION



COMPONENT MAINTENANCE MANUAL

INTRODUCTION

1. General

- A. The instructions in this manual supply the data necessary to do the maintenance functions together with the test, fault isolation, repair, and replacement of the defective parts.
- B. This manual is divided into different parts:
 - (1) Title Page
 - (2) Transmittal Letter
 - (3) Highlights
 - (4) List of Effective Pages
 - (5) Table of Contents
 - (6) Temporary Revision & Service Bulletin Record
 - (7) Record of Revisions
 - (8) Record of Temporary Revisions
 - (9) Introduction
 - (10) Procedures & IPL Sections
- C. Refer to the Table of Contents for the page location of the applicable procedures.
- D. All dimensions, measures, quantities and weights included are in English units. When metric equivalents are given they will be in the parentheses that follow the English units.
- E. The introduction to the Illustrated Parts List (IPL) shows how the IPL data is used.
- F. Design changes, optional parts, configuration differences and Service Bulletin modifications may cause different part numbers. These part numbers are identified in the IPL with an alphabetical letter which is added to the end of the basic item number. This new item number is referred to as an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless shown differently.
- G. Verification:

23-27-03

INTRODUCTION

Page 1

Mar 01/2009



COMPONENT MAINTENANCE MANUAL

AIRPLANE IDENTIFICATION UNIT MODULE ASSEMBLY - DESCRIPTION AND OPERATION

1. Description

- A. The APID (Airplane Identification) unit module assembly contains an APID printed circuit assembly, an enclosure assembly and a rear panel assembly. External connections are made through the ARINC 600 connector mounted on the rear panel assembly.

2. Operation (DESCRIPTION AND OPERATION, Figure 1)

A. General

CAUTION: THIS ASSEMBLY CONTAINS COMPONENTS WHICH CAN BE DAMAGED FROM ELECTROSTATIC DISCHARGE . REFER TO THE PROCEDURES SHOWN IN SOPM 20-12-02 (HANDLING PROCEDURES FOR ELECTROSTATIC SENSITIVE DEVICES).

- (1) The APID unit receives 64 analog discrete inputs which contain the coded information of airplane registration number. The APID unit then decodes the coded information and transmits data in a digital format through the ARINC 429 bus for other airplane subsystem users.
- (2) The BITE (Built In Test Equipment) circuit is included to find the unsatisfactory operation of the APID unit. The internal components of the unit are monitored to make sure that the unit operates correctly.

B. Analog Discrete Input

- (1) Sixty four analog discrete inputs (IAD1-IAD64) are supplied to the APID unit and are divided into 8 banks (DISBANK0-DISBANK7) of 8 discrettes each. These inputs are read through the A/D (Analog to Digital) converter into the microprocessor. Each input has a voltage level of 3.5 volts or less for logic 1 or greater than 9.0 volts for logic 0. If the input voltage measured by the A/D converter is in between 3.5 and 9.0 volts or the analog discrete input circuitry is not operative, the analog discrete input is read as logic 1 (default state).
- (2) Fifty four analog discrete inputs are used to form nine character positions (six analog discrete inputs for each character position). Refer to DESCRIPTION AND OPERATION, Table 1 for the character positions and the necessary discrete inputs for each character position.

Table 1: Analog Discrete Inputs

CHARACTER POSITION	IAD (Input Analog Discrete)					
	MSB					LSB
1	64	63	62	61	60	59
2	57	56	55	54	53	52
3	50	49	48	47	46	45
4	43	42	41	40	39	38
5	36	35	34	33	32	31
6	29	28	27	26	25	24
7	22	21	20	19	18	17
8	15	14	13	12	11	10
9	8	7	6	5	4	3

23-27-03

DESCRIPTION AND OPERATION

Page 1

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

C. Airplane Identification Number

- (1) The nine coded characters which identify the airplane registration number contain any combination of numbers 0 thru 9, letters A thru Z, and "-", ".", and blank characters. Each character contains seven interface pins, six IAD pins shown in DESCRIPTION AND OPERATION, Table 1 and one common (seventh bit). The seventh bit is set to 1 if a coded character is to be a letter and is set to 0 if not. Refer to DESCRIPTION AND OPERATION, Table 2 for the character and its seven interface pin values. "0" indicates that the pin is connected to the common pin. If the pin coding of any of nine characters is not specified or the input voltage or resistance for an analog discrete is not correct, all zeros as the code for all nine characters will be transmitted.

Table 2: Airplane Identification Number

CHARACTER	7th BIT	IAD (Input Analog Discrete)					LSB
	MSB						
0	0	1	1	0	0	0	0
1	0	1	1	0	0	0	1
2	0	1	1	0	0	1	0
3	0	1	1	0	0	1	1
4	0	1	1	0	1	0	0
5	0	1	1	0	1	0	1
6	0	1	1	0	1	1	0
7	0	1	1	0	1	1	1
8	0	1	1	1	0	0	0
9	0	1	1	1	0	0	1
blank	0	1	0	0	0	0	0
-	0	1	0	1	1	0	1
.	0	1	0	1	1	1	0
A	1	0	0	0	0	0	1
B	1	0	0	0	0	1	0
C	1	0	0	0	0	1	1
D	1	0	0	0	1	0	0
E	1	0	0	0	1	0	1
F	1	0	0	0	1	1	0
G	1	0	0	0	1	1	1
H	1	0	0	1	0	0	0
I	1	0	0	1	0	0	1
J	1	0	0	1	0	1	0
K	1	0	0	1	0	1	1

23-27-03

DESCRIPTION AND OPERATION

Page 2

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 2: Airplane Identification Number (Continued)

CHARACTER	7th BIT	IAD (Input Analog Discrete)					LSB
	MSB						
L	1	0	0	1	1	0	0
M	1	0	0	1	1	0	1
N	1	0	0	1	1	1	0
O	1	0	0	1	1	1	1
P	1	0	1	0	0	0	0
Q	1	0	1	0	0	0	1
R	1	0	1	0	0	1	0
S	1	0	1	0	0	1	1
T	1	0	1	0	1	0	0
U	1	0	1	0	1	0	1
V	1	0	1	0	1	1	0
W	1	0	1	0	1	1	1
X	1	0	1	1	0	0	0
Y	1	0	1	1	0	0	1
Z	1	0	1	1	0	1	0

D. ARINC 429 Output

- (1) There is one ARINC 429 low speed output driver which can drive into a 1.5K ohm load. Update rates for all ARINC output word are 100 msec. The maintenance words are transmitted a minimum of one time per second.
- (2) The nine character positions are identified on the ARINC 429 output words with labels 301, 302 and 303 (see DESCRIPTION AND OPERATION, Table 3).

Table 3: ARINC 429 Output Words

CHARACTER POSITION	ARINC 429 OUTPUT DATA	
	LABEL	BITS
1	301	11 thru 17
2	301	18 thru 24
3	301	25 thru 31
4	302	11 thru 17
5	302	18 thru 24
6	302	25 thru 31
7	303	11 thru 17
8	303	18 thru 24

23-27-03

DESCRIPTION AND OPERATION

Page 3

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 3: ARINC 429 Output Words (Continued)

CHARACTER POSITION	ARINC 429 OUTPUT DATA	
	LABEL	BITS
9	303	25 thru 31

E. Program Pin

- (1) The 16 program pin inputs (PP00-PP15) are used to set options on the APID unit. Program pins PP05-PP00 are set to 101011 binary in the airplane identification mode. Program pin PP06 is used for Boeing registration APID default. If program pin PP06 is grounded, the APID unit ignores the codes being supplied by the nine character positions and transmit the Boeing APID number. Program pins PP07-PP15 are the spares.

F. BITE (Built In Test Equipment)

- (1) The APID unit does the full BITE tests upon power up if either or both of the BITE enable inputs are active. The full BITE tests do a check for 90% of all failure modes including all input/output circuits except the passive isolation components. The results of BITE tests are transmitted on the ARINC 429 output labels 350 thru 356.
- (2) The power up BITE tests do not take more than 20 seconds. ARINC 429 data transmission begins within 2.5 ± 0.5 seconds after the power is applied. The BITE enable inputs are monitored 2.5 ± 0.5 seconds after the power up to find if the full power up BITE tests is to be done.
- (3) If the power up BITE enable is not active, the APID unit does not do the power up BITE tests but starts operating. The power up BITE enables are interfaced with the analog discrete inputs IAD1 and IAD2.

G. Power Supply and Power Supply Control

- (1) The APID unit receives 28v dc input through the pin J1C-2 (P1-142) and provides regulated voltage supplies (+5v dc, +15v dc) to its components.
- (2) When +5v dc supply voltage goes below a certain voltage level, the output of comparator of U61-2 becomes high and turns transistor Q6 on providing a ground path to the comparator non-inverting input at U61-9. The resulting low RESET signal is sent to the reset circuitry.

H. Reset Logic

- (1) RESET signal from the power supply control circuit is a high logic signal during normal operation. Low RESET signal causes a high output at NAND-gate U32-6. This high reset signal resets the microprocessor U33.
- (2) The microprocessor U33 is programmed to send a periodic pulse train to the watchdog timer circuit during normal operation. While WDTRIG signal is triggered periodically, the output of multivibrator at U31-9 remains high. When WDTRIG stops triggering periodically for a certain period of time, the multivibrator sends out one shot low pulse and resets the microprocessor.

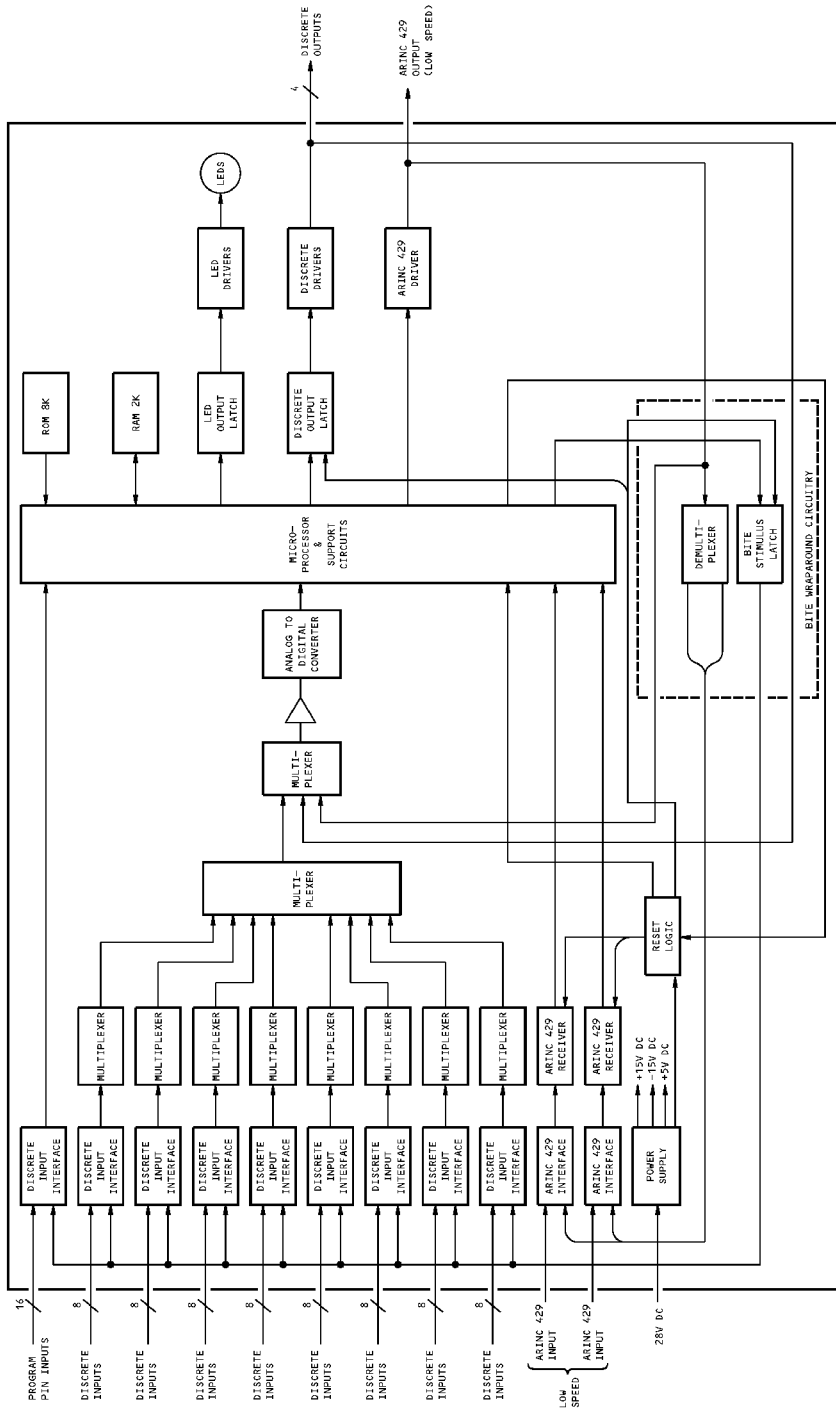
23-27-03

DESCRIPTION AND OPERATION

Page 4

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



APID Unit Module Assembly Signal Flow Diagram
Figure 1

23-27-03

DESCRIPTION AND OPERATION

Page 5

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

TESTING AND FAULT ISOLATION

1. General

- A. This procedure has the data necessary to do a test of the APID unit module assembly after an overhaul or for fault isolation.

2. Trouble Shooting (Equipment Required)

- A. Test Equipment

NOTE: Equivalent substitute may be used.

- (1) Power Supply

- (a) 28 \pm 0.1v dc, 4A max
 (b) Variable, -100v to 100v, 0.5A max

- (2) ARINC 429 Transmitter

- (3) ARINC 429 Receiver

- (4) Multimeter: HP 3456A or equivalent

- (5) Counter: HP 5335A or equivalent

- (6) Resistor:

- (a) 10K ohms, 1%, 1W
 (b) 249 ohms, 1%, 5W (4 required)
 (c) 121K ohms, 1%, 1/4W
 (d) 100K ohms, 1%, 1/4W
 (e) 402 ohms, 1%, 1/4W
 (f) 36 ohms, 10%, 25W (4 required)

- (7) Capacitor: .033 microfarad, 10%, 50v

- B. Test Connector

- (1) For the module assembly (P/N 65-52823) - P/N BKAD1-125-30001 (ITT Cannon Div. of ITT Corp., 10550 Talbert Ave., P.O. Box 8040, Fountain Valley, California 92728) (Boeing breakout box A27039-19 can be used).

- (2) For the printed circuit assembly (P/N 69-73647) - P/N 900-14112-7.

3. Trouble Shooting (Procedure)

- A. Procedure

WARNING: HIGH VOLTAGES UP TO 75 VOLTS APPLIED DURING THE TEST.

CAUTION: THIS ASSEMBLY CONTAINS COMPONENTS WHICH CAN BE DAMAGED FROM ELECTROSTATIC DISCHARGE . REFER TO THE PROCEDURES SHOWN IN SOPM 20-12-02 (HANDLING PROCEDURES FOR ELECTROSTATIC SENSITIVE DEVICES).

- (1) Do the trouble shooting procedures shown in TESTING AND FAULT ISOLATION, Table 101.
- (a) Use TESTING AND FAULT ISOLATION, Table 101 for trouble shooting both the module assembly and the printed circuit assembly. The pin numbers shown in the procedure show both ARINC 600 connector pins and the printed circuit assembly connector pins separated by the asterisk (*). For example,

23-27-03

TESTING AND FAULT ISOLATION

Page 101

Nov 01/2006



COMPONENT MAINTENANCE MANUAL

J1C-2*P1-142

J1C-2 is an ARINC 600 connector pin and P1-142 is a printed circuit assembly connector pin.

- (b) Unless otherwise specified, the current of the applied voltage is 4 amperes max.
- (c) Do the procedures shown in TESTING AND FAULT ISOLATION, Table 102 and TESTING AND FAULT ISOLATION, Table 103 if STAT No. 350150 and 360150, respectively, fail to pass the test.

Table 101: Trouble Shooting Procedure 1

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
1.0 PRE-POWER TESTS			
1.1 Continuity Tests (PCA P/N 69-73647-1 only)			
	Measure ohms between the pins shown below:		
110100	P1-142 / P1-145	4 ohms max	
110200	P1-148 / P1-151	4 ohms max	
110300	P1-148 / P1-14	4 ohms max	
110400	P1-148 / P1-40	4 ohms max	
110500	P1-148 / P1-76	4 ohms max	
110600	P1-148 / P1-113	4 ohms max	
110700	P1-155 / P1-158	4 ohms max	
1.2 Signal Isolation Tests			
	Momentarily ground J1C-2*P1-142 and J1C-4*P1-148. Set the counter channel A trigger at 0.1v dc, positive slope. Set the counter channel B trigger at 20.0v dc, positive slope. Connect the test setup as shown in TESTING AND FAULT ISOLATION, Figure 101.		
120100	Set POWER ON switch to ON and monitor the counter to measure the time interval A to B. Disconnect the test setup.	7-15 msec	
	Measure ohms between the pins shown below:		
120200	J1C-3*P1-155 / J1C-4*P1-148	5K ohms min	
120300	J1C-3*P1-155 / J1C-2*P1-142	5K ohms min	
For the module P/N 65-52823-1 only:			
	Ground pin J1C-3.		

23-27-03

TESTING AND FAULT ISOLATION

Page 102

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
120400	Measure ohms between the chassis and ground.	7 ohms max	
	For both module and PCA:		
1.3 Transient Suppressor Tests			
	Ground J1C-3*P1-155 and J1C-4*P1-148. Apply 75 ± 0.75v dc, 0.5A max, to the pin shown below thru a 10K ohm, 1%, 1W resistor and measure dc voltage at the pin:		
130100	J1A-A2*P1-9	43-58v dc	
130200	J1A-D2*P1-3	43-58v dc	
130300	J1A-C3*P1-6	43-58v dc	
130400	J1A-C2*P1-1	43-58v dc	
	Remove 75v dc and the resistor from the pin last tested and ground from J1C-3*P1-155 and J1C-4*P1-148. Ground J1C-2*P1-142.		
130500	Apply 75 ± 0.75v dc, 0.5A max to J1C-4*P1-148 thru a 10K ohm, 1%, 1W resistor and measure dc voltage at the pin. Remove 75v dc and the resistor from J1C-4*P1-148 and ground from J1C-2*P1-142. Ground J1C-3*P1-155 and J1C-4*P1-148.	48-54v dc	
2.0 INITIAL TESTS			
2.1 Output Voltage Regulation			
	Apply 18 ± 0.18v dc to J1C-2*P1-142. Measure dc voltage at the pin shown below:		
210100	J1B-C5*P1-70	5 ± 0.15v dc	
210200	J1B-D4*P1-64	15 ± 0.75v dc	
210300	J1B-A2*P1-61	-15 ± 0.75v dc	
	Change the input voltage at J1C-2*P1-142 to 28 ± 0.28v dc. Measure dc voltage at the pin shown below:		

23-27-03

TESTING AND FAULT ISOLATION

Page 103

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
210400	J1B-C5*P1-70	5 ± 0.15v dc	
210500	J1B-D4*P1-64	15 ± 0.75v dc	
210600	J1B-A2*P1-61	-15 ± 0.75v dc	
	Change the input voltage at J1C-2*P1-142 to 32 ± 0.32v dc.		
	Measure dc voltage at the pin shown below:		
210700	J1B-C5*P1-70	5 ± 0.15v dc	
210800	J1B-D4*P1-64	15 ± 0.75v dc	
210900	J1B-A2*P1-61	-15 ± 0.75v dc	
2.2 Output Ripple Voltage			
	Change the input voltage at J1C-2*P1-142 to 28 ± 0.28v dc.		
	Measure ac voltage at the pin shown below:		
220100	J1B-C5*P1-70	0.02v ac max	
220200	J1B-D4*P1-64	0.05v ac max	
220300	J1B-A2*P1-61	0.05v ac max	
2.3 Input Current Test			
	Set the ARINC 429 receiver as follows: <ul style="list-style-type: none"> - Bit Rate: 12-14.5 kbits/sec - Type: Serial-LSB-First - Format: BNR 32 bits - Pulse Class: Return to Zero - Voltage-One: 10 ± 1 volts - Voltage-Zero: -10 ± 1 volts - Voltage-Quies: 0 ± 0.5 volt Connect the ARINC 429 receiver to J1B-B2*P1-58 (TRUE) and J1B-C2*P1-55 (COMPL).		
230050	Measure the input current at J1C-2*P1-142.	0.09A max	
3.0 CPU TESTS			
	Remove the ARINC 429 receiver from J1B-B2*P1-58 and J1B-C2*P1-55.		
3.1 +5V DC Hold-up and Reset Level Test			
	Set the counter channel A trigger at 26v dc, negative slope.		
	Set the counter channel B trigger at 2.5v dc, negative slope.		

23-27-03

TESTING AND FAULT ISOLATION

Page 104

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
310100	<p>Connect the counter channel A to J1C-2*P1-142 and channel B to J1B-A11*P1-89.</p> <p>Remove 28v dc from J1C-2*P1-142 and monitor the counter to measure time interval A to B.</p>	0.14-20 sec	
310200	<p>Remove the counter from J1C-2*P1-142 and J1B-A11*P1-89.</p> <p>Apply 28 ± 0.1v dc to J1C-2*P1-142.</p> <p>Remove 28v dc from J1C-2*P1-142 and measure dc voltage at J1B-C5*P1-70 when the voltage at J1B-A11*P1-89 goes below 2.5v dc (i.e., measure dc voltage at the 5v test point pin when the reset test point pin goes below 2.5v dc after the power loss at the 28v power input pin).</p>	4.5-4.85v dc	
3.2 Reset Pulse Width			
320100	<p>Set the counter channel A trigger at 4.5v dc, positive slope.</p> <p>Set the counter channel B trigger at 2.5v dc, positive slope.</p> <p>Connect the counter channel A to J1B-C5*P1-70 and channel B to J1B-A11*P1-89.</p> <p>Apply 28 ± 0.1v dc to J1C-2*P1-142 and monitor the counter to measure time interval A to B.</p> <p>Remove the counter from J1B-C5*P1-70 and J1B-A11*P1-89.</p>	15-25 msec	
3.3 ARINC 429 Transmitter Test			
330100	<p>Connect a 402 ohm, 1%, 1/4W resistor and a 0.033 micro- farad, 10%, 50v capacitor in parallel between J1B-B2*P1-58 and J1B-C2*P1-55.</p> <p>Set the counter channel A to trigger once at 2.5v dc, positive slope and once again at 2.5v dc, negative slope.</p> <p>Connect the counter channel A to J1B-B2*P1-58 and monitor the counter to measure the positive pulse width.</p>	37-44 microsec	

23-27-03

TESTING AND FAULT ISOLATION

Page 105

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
330200	Remove the counter from J1B-B2*P1-58. Connect the counter channel A to J1B-C2*P1-55 and monitor the counter to measure the positive pulse width. Remove the counter from J1B-C2*P1-55. Set the counter channel A to trigger once at 0.5v dc, positive slope and once again at 4.5v dc, positive slope.	37-44 microsec	
330300	Connect the counter channel A to J1B-B2*P1-58 and monitor the counter to measure time interval between 10% and 90% voltage amplitude points (rise time). Remove the counter from J1B-B2*P1-58. Set the counter channel A to trigger once at 4.5v dc, negative slope and once again at 0.5v dc, negative slope.	5-15 microsec	
330400	Connect the counter channel A to J1B-B2*P1-58 and monitor the counter to measure time interval between 90% and 10% voltage amplitude points (fall time). Remove the counter from J1B-B2*P1-58. Set the counter channel A to trigger once at 0.5v dc, positive slope and once again at 4.5v dc, positive slope.	5-15 microsec	
330500	Connect the counter channel A to J1B-C2*P1-55 and monitor the counter to measure time interval between 10% and 90% voltage amplitude points (rise time). Remove the counter from J1B-C2*P1-55. Set the counter channel A to trigger once at 4.5v dc, negative slope and once again at 0.5v dc, negative slope.	5-15 microsec	
330600	Connect the counter channel A to J1B-C2*P1-55 and monitor the counter to measure time interval between 90% and 10% voltage amplitude points (fall time). Remove the counter from J1B-C2*P1-55. Remove the resistor and the capacitor from J1B-B2*P1-58 and J1B-C2*P1-55.	5-15 microsec	

23-27-03

TESTING AND FAULT ISOLATION

Page 106

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
3.4 Software Version Test			
340150	Set the ARINC 429 receiver as follows: - Bit Rate: 12.5 kbits/sec - Word Rate: 343 words/sec - Voltage One: 6.5 to 13.0 volts - Voltage Quies: 0 ± 2.5 volts - Voltage Zero: -6.5 to -13.0 volts Connect the ARINC 429 receiver to J1B-B2*P1-58 (TRUE) and J1B-C2*P1-55 (COMPL). Monitor the ARINC 429 receiver octal label 277 word.	Bits 12,15,30,31 = 1 Bits 13,14,16-29 = 0	
3.5 BITE Test Mode			
350150	Ground J1A-B6*P1-21 and J1A-C7*P1-24. Momentarily remove 28v dc from J1C-2*P1-142 (1 sec min). Stop for 30 sec. Monitor the ARINC 429 receiver octal label 350 word. Remove ground from J1A-B6*P1-21 and J1A-C7*P1-24.	Bit 29 = 0	See TESTING AND FAULT ISOLATION, Table 102 and TESTING AND FAULT ISOLATION, Table 103
3.6 BITE Interface Failure Test			
360150	Ground J1A-B6*P1-21 and J1A-C7*P1-24. Ground the pins shown below (Discrete Output Pins) one at a time: J1A-A2*P1-9 J1A-D2*P1-3 J1A-C3*P1-6 J1A-C2*P1-1 Momentarily remove 28v dc from J1C-2*P1-142 (1 sec min). Stop for 30 sec. Monitor the ARINC 429 receiver octal label 350 word.	Bit 29 = 0	See TESTING AND FAULT ISOLATION, Table 102 and TESTING AND FAULT ISOLATION, Table 103

23-27-03

TESTING AND FAULT ISOLATION

Page 107

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	Remove ground from the discrete output pins. Remove ground from J1A-B6*P1-21 and J1A-C7*P1-24.		
4.0 DISCRETE INPUT TESTS			
4.1 Discrete Input Blocking Diode Test			
	Apply 28 ± 0.5v dc, 0.5A max, thru a 100k ohm, 1%, 1/4W resistor to the pins shown below one at a time and measure the voltage drop across the resistor:		
410100	J1A-B6*P1-21	1.1v dc max	
410200	J1A-C7*P1-24	1.1v dc max	
410300	J1A-C6*P1-27	1.1v dc max	
410400	J1A-A6*P1-30	1.1v dc max	
410500	J1A-B10*P1-36	1.1v dc max	
410600	J1A-B9*P1-39	1.1v dc max	
410700	J1A-D11*P1-42	1.1v dc max	
410800	J1A-D10*P1-45	1.1v dc max	
410900	J1A-B8*P1-20	1.1v dc max	
411000	J1A-D6*P1-23	1.1v dc max	
411100	J1A-A8*P1-26	1.1v dc max	
411200	J1A-B7*P1-29	1.1v dc max	
411300	J1A-A9*P1-32	1.1v dc max	
411400	J1A-C9*P1-35	1.1v dc max	
411500	J1A-D9*P1-38	1.1v dc max	
411600	J1A-C10*P1-41	1.1v dc max	
411700	J1A-C13*P1-51	1.1v dc max	
411800	J1A-D13*P1-54	1.1v dc max	
411900	J1B-D2*P1-57	1.1v dc max	
412000	J1A-B14*P1-60	1.1v dc max	
412100	J1B-D3*P1-63	1.1v dc max	
412200	J1B-B3*P1-66	1.1v dc max	
412300	J1B-C4*P1-69	1.1v dc max	
412400	J1B-B4*P1-72	1.1v dc max	
412500	J1A-B11*P1-47	1.1v dc max	
412600	J1A-B12*P1-50	1.1v dc max	
412700	J1A-B13*P1-53	1.1v dc max	
412800	J1B-C3*P1-59	1.1v dc max	
412900	J1B-A3*P1-62	1.1v dc max	
413000	J1B-A4*P1-65	1.1v dc max	

23-27-03

TESTING AND FAULT ISOLATION

Page 108

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
413100	J1B-D5*P1-68	1.1v dc max	
413200	J1B-B5*P1-71	1.1v dc max	
413300	J1B-B6*P1-74	1.1v dc max	
413400	J1B-D6*P1-77	1.1v dc max	
413500	J1B-C6*P1-79	1.1v dc max	
413600	J1B-A8*P1-81	1.1v dc max	
413700	J1B-B8*P1-85	1.1v dc max	
413800	J1B-B9*P1-88	1.1v dc max	
413900	J1B-C9*P1-91	1.1v dc max	
414000	J1B-C10*P1-94	1.1v dc max	
414100	J1B-A5*P1-75	1.1v dc max	
414200	J1B-A6*P1-78	1.1v dc max	
414300	J1B-A7*P1-80	1.1v dc max	
414400	J1B-B7*P1-82	1.1v dc max	
414500	J1B-C7*P1-84	1.1v dc max	
414600	J1B-D7*P1-83	1.1v dc max	
414700	J1B-D9*P1-87	1.1v dc max	
414800	J1B-A10*P1-90	1.1v dc max	
414900	J1B-B12*P1-100	1.1v dc max	
415000	J1B-A13*P1-103	1.1v dc max	
415100	J1A-D14*P1-110	1.1v dc max	
415200	J1B-C15*P1-112	1.1v dc max	
415300	J1B-A15*P1-101	1.1v dc max	
415400	J1B-C8*P1-118	1.1v dc max	
415500	J1B-D8*P1-121	1.1v dc max	
415600	J1A-D8*P1-124	1.1v dc max	
415700	J1B-A12*P1-97	1.1v dc max	
415800	J1B-B10*P1-93	1.1v dc max	
415900	J1B-C11*P1-92	1.1v dc max	
416000	J1B-A9*P1-86	1.1v dc max	
416100	J1B-B11*P1-99	1.1v dc max	
416200	J1B-D11*P1-102	1.1v dc max	
416300	J1B-B13*P1-98	1.1v dc max	
416400	J1B-C12*P1-105	1.1v dc max	
	Remove 28v dc and the resistor from the pin last tested.		
4.2 Discrete Input Threshold Test			
	Ground pins J1A-A3*P1-12 and J1A-B5*P1-18. Apply 3 ± 0.1v dc, 0.5A max, to discrete input pins shown below:		

23-27-03

TESTING AND FAULT ISOLATION

Page 109

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	J1A-B6*P1-21		
	J1A-C7*P1-24		
	J1A-C6*P1-27		
	J1A-A6*P1-30		
	J1A-B10*P1-36		
	J1A-B9*P1-39		
	J1A-D11*P1-42		
	J1A-D10*P1-45		
	J1A-B8*P1-20		
	J1A-D6*P1-23		
	J1A-A8*P1-26		
	J1A-B7*P1-29		
	J1A-A9*P1-32		
	J1A-C9*P1-35		
	J1A-D9*P1-38		
	J1A-C10*P1-41		
	J1A-C13*P1-51		
	J1A-D13*P1-54		
	J1B-D2*P1-57		
	J1A-B14*P1-60		
	J1B-D3*P1-63		
	J1B-B3*P1-66		
	J1B-C4*P1-69		
	J1B-B4*P1-72		
	J1A-B11*P1-47		
	J1A-B12*P1-50		
	J1A-B13*P1-53		
	J1B-C3*P1-59		
	J1B-A3*P1-62		
	J1B-A4*P1-65		
	J1B-D5*P1-68		
	J1B-B5*P1-71		
	J1B-B6*P1-74		
	J1B-D6*P1-77		
	J1B-C6*P1-79		
	J1B-A8*P1-81		
	J1B-B8*P1-85		
	J1B-B9*P1-88		
	J1B-C9*P1-91		
	J1B-C10*P1-94		

23-27-03

TESTING AND FAULT ISOLATION

Page 110

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	J1B-A5*P1-75 J1B-A6*P1-78 J1B-A7*P1-80 J1B-B7*P1-82 J1B-C7*P1-84 J1B-D7*P1-83 J1B-D9*P1-87 J1B-A10*P1-90 J1B-B12*P1-100 J1B-A13*P1-103 J1A-D14*P1-110 J1B-C15*P1-112 J1B-A15*P1-101 J1B-C8*P1-118 J1B-D8*P1-121 J1A-D8*P1-124 J1B-A12*P1-97 J1B-B10*P1-93 J1B-C11*P1-92 J1B-A9*P1-86 J1B-B11*P1-99 J1B-D11*P1-102 J1B-B13*P1-98 J1B-C12*P1-105 Remove 3v dc and apply ground thru a 121K ohm, 1%, 1/4W resistor to the pin shown below one at a time, measure dc voltage at the pin and monitor the ARINC 429 receiver octal label 270-273 word bits 26-11 with the word-rate set at 150 words/ sec (remove ground and a resistor and apply 3 ±0.1v dc, 0.5A max to the pin after each step):	Measured dc voltage is 9 to 10.5v dc and bits 26 thru 11 = 1 for octal label 271-273 words for all tested pins (Stat. No. 420100 thru 421600)	
		Octal label 270 word bits 26-11:	
420100	J1A-B6*P1-21	FFFE (HEX)	
420200	J1A-C7*P1-24	FFFD (HEX)	
420300	J1A-C6*P1-27	FFFB (HEX)	
420400	J1A-A6*P1-30	FFF7 (HEX)	
420500	J1A-B10*P1-36	FFEF (HEX)	

23-27-03

TESTING AND FAULT ISOLATION

Page 111

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
420600	J1A-B9*P1-39	FFDF (HEX)	
420700	J1A-D11*P1-42	FFBF (HEX)	
420800	J1A-D10*P1-45	FF7F (HEX)	
420900	J1A-B8*P1-20	FEFF (HEX)	
421000	J1A-D6*P1-23	FDFF (HEX)	
421100	J1A-A8*P1-26	FBFF (HEX)	
421200	J1A-B7*P1-29	F7FF (HEX)	
421300	J1A-A9*P1-32	EFFF (HEX)	
421400	J1A-C9*P1-35	DFFF (HEX)	
421500	J1A-D9*P1-38	BFFF (HEX)	
421600	J1A-C10*P1-41	7FFF (HEX)	
	Remove 3v dc and apply ground thru a 121K ohm, 1%, 1/4W resistor to the pin shown below one at a time, measure dc voltage at the pin and monitor the ARINC 429 receiver octal label 270-273 word bits 26-11 with the word-rate set at 150 words/ sec (remove ground and the resistor and apply 3 ± 0.1v dc, 0.5A max to the pin after each step):	Measured dc voltage is 9 to 10.5v dc and bits 26 thru 11 = 1 for octal label 270, 272, 273 words for all tested pins (Stat. No. 421700 thru 423200)	
		Octal label 271 word bits 26-11:	
421700	J1A-C13*P1-51	FFFE (HEX)	
421800	J1A-D13*P1-54	FFFD (HEX)	
421900	J1B-D2*P1-57	FFFB (HEX)	
422000	J1A-B14*P1-60	FFF7 (HEX)	
422100	J1B-D3*P1-63	FFEF (HEX)	
422200	J1B-B3*P1-66	FFDF (HEX)	
422300	J1B-C4*P1-69	FFBF (HEX)	
422400	J1B-B4*P1-72	FF7F (HEX)	
422500	J1A-B11*P1-47	FEFF (HEX)	
422600	J1A-B12*P1-50	FDFF (HEX)	
422700	J1A-B13*P1-53	FBFF (HEX)	
422800	J1B-C3*P1-59	F7FF (HEX)	
422900	J1B-A3*P1-62	EFFF (HEX)	
423000	J1B-A4*P1-65	DFFF (HEX)	
423100	J1B-D5*P1-68	BFFF (HEX)	
423200	J1B-B5*P1-71	7FFF (HEX)	

23-27-03

TESTING AND FAULT ISOLATION

Page 112

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	Remove 3v dc and apply ground thru a 121K ohm, 1%, 1/4W resistor to the pin shown below one at a time, measure dc voltage at the pin and monitor the ARINC 429 receiver octal label 270 thru 273 word bits 26-11 with the bit-rate set at 150 words/sec (remove ground and the resistor and apply 3 ±0.1v dc 0.5A max to the pin after each step):	Measured dc voltage is 9 to 10.5v dc and bits 26 thru 11 = 1 for octal label 270, 271 and 273 words for all tested pins (Stat. No. 423300 thru 424800)	
		Octal label 272 word bits 26-11:	
423300	J1B-B6*P1-74	FFFE (HEX)	
423400	J1B-D6*P1-77	FFFD (HEX)	
423500	J1B-C6*P1-79	FFFB (HEX)	
423600	J1B-A8*P1-81	FFF7 (HEX)	
423700	J1B-B8lp1-85	FFEF (HEX)	
423800	J1B-B9*P1-88	FFDF (HEX)	
423900	J1B-C9*P1-91	FFBF (HEX)	
424000	J1B-C10*P1-94	FF7F (HEX)	
424100	J1B-A5*P1-75	FEFF (HEX)	
424200	J1B-A6*P1-78	FDFF (HEX)	
424300	J1B-A7*P1-80	FBFF (HEX)	
424400	J1B-B7*P1-82	F7FF (HEX)	
424500	J1B-C7*P1-84	EFFF (HEX)	
424600	J1B-D7*P1-83	DFFF (HEX)	
424700	J1B-D9*P1-87	BFFF (HEX)	
424800	J1B-A10*P1-90	7FFF (HEX)	
	Remove 3v dc and apply ground thru a 121K ohm, 1%, 1/4W resistor to the pin shown below one at a time, measure dc voltage at the pin and monitor the ARINC 429 receiver octal label 270 thru 273 word bits 26-11 with the word-rate set at 150 word/sec (remove ground and resistor and apply 3 ±0.1v dc, 0.5A max to the pin after each step):	Measured dc voltage is 9 to 10.5v dc and bits 26 thru 11 = 1 for octal label 270 thru 272 words for all tested pins (Stat. No. 424900 thru 426400)	
		Octal label 273 word bits 26-11:	
424900	J1B-B12*P1-100	FFFE (HEX)	
425000	J1B-A13*P1-103	FFFD (HEX)	
425100	J1A-D14*P1-110	FFFB (HEX)	
425200	J1B-C15*P1-112	FFF7 (HEX)	
425300	J1B-A15*P1-101	FFEF (HEX)	

23-27-03

TESTING AND FAULT ISOLATION

Page 113

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
425400	J1B-C8*P1-118	FFDF (HEX)	
425500	J1B-D8*P1-121	FFBF (HEX)	
425600	J1A-D8*P1-124	FF7F (HEX)	
425700	J1B-A12*P1-97	FEFF (HEX)	
425800	J1B-B10*P1-93	FDFE (HEX)	
425900	J1B-C11*P1-92	FBFF (HEX)	
426000	J1B-A9*P1-86	F7FF (HEX)	
426100	J1B-B11*P1-99	EFFE (HEX)	
426200	J1B-D11*P1-102	DFFF (HEX)	
426300	J1B-B13*P1-98	BFFF (HEX)	
426400	J1B-C12*P1-105 Remove ground from J1A-A3*P1-12 and J1A-B5*P1-18. Remove 3v dc from the discrete input pins.	7FFF (HEX)	
4.3 Program Pin Input Test			
	<p>Apply ground to the program pins shown below:</p> <p>J1A-D4*P1-5 J1A-D3*P1-2 J1A-A3*P1-12 J1A-B5*P1-18 J1A-B4*P1-10 J1A-D5*P1-15 J1A-B3*P1-8 J1A-C4*P1-7 J1A-A5*P1-17 J1A-C8*P1-28 J1A-A7*P1-31 J1A-A11*P1-44 J1A-A12*P1-49 J1A-A10*P1-37 J1A-A13*P1-48 J1A-C5*P1-13</p> <p>Remove ground from the pins shown below one at a time and monitor the ARINC 429 receiver octal label 274 word bits 11 thru 26 with the word-rate set at 150 words/ sec (apply ground to the pin after each step):</p>		

23-27-03

TESTING AND FAULT ISOLATION

Page 114

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
430100	J1A-D4*P1-5	0001 (HEX)	
430200	J1A-D3*P1-2	0002 (HEX)	
430300	J1A-A3*P1-12	0004 (HEX)	
430400	J1A-B5*P1-18	0008 (HEX)	
430500	J1A-B4*P1-10	0010 (HEX)	
430600	J1A-D5*P1-15	0020 (HEX)	
430700	J1A-B3*P1-8	0040 (HEX)	
430800	J1A-C4*P1-7	0080 (HEX)	
430900	J1A-A5*P1-17	0100 (HEX)	
431000	J1A-C8*P1-28	0200 (HEX)	
431100	J1A-A7*P1-31	0400 (HEX)	
431200	J1A-A11*P1-44	0800 (HEX)	
431300	J1A-A12*P1-49	1000 (HEX)	
431400	J1A-A10*P1-37	2000 (HEX)	
431500	J1A-A13*P1-48	4000 (HEX)	
431600	J1A-C5*P1-13	8000 (HEX)	
	Remove ground from the program pins.		
4.4 Program Pin Pull-Up Resistor Test			
	Apply ground thru a 100K ohm, 1%, 1/4W resistor to the program pins shown below one at a time and measure dc voltage at the pin:		
440100	J1A-D4*P1-5	2.27-2.77v dc	
440200	J1A-D3*P1-2	2.27-2.77v dc	
440300	J1A-A3*P1-12	2.27-2.77v dc	
440400	J1A-B5*P1-18	2.27-2.77v dc	
440500	J1A-B4*P1-10	2.27-2.77v dc	
440600	J1A-D5*P1-15	2.27-2.77v dc	
440700	J1A-B3*P1-8	2.27-2.77v dc	
440800	J1A-C4*P1-7	2.27-2.77v dc	
440900	J1A-A5*P1-17	2.27-2.77v dc	
441000	J1A-C8*P1-28	2.27-2.77v dc	
441100	J1A-A7*P1-31	2.27-2.77v dc	
441200	J1A-A11*P1-44	2.27-2.77v dc	
441300	J1A-A12*P1-49	2.27-2.77v dc	
441400	J1A-A10*P1-37	2.27-2.77v dc	
441500	J1A-A13*P1-48	2.27-2.77v dc	
441600	J1A-C5*P1-13	2.27-2.77v dc	
	Remove ground and the resistor from the pin last tested.		
5.0 ARINC 429 RECEIVER TEST			

23-27-03

TESTING AND FAULT ISOLATION

Page 115

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	Set the ARINC 429 receiver as follows: - Bit Rate: 12-14.5 kbits/sec - Type: Serial-LSB-First - Format: BNR 32 bits - Pulse Class: Return to Zero - Voltage one: 10 ± 1 volts - Voltage Quies: 0 ± 0.5 volt - Voltage Zero: -10 ± 1 volts Make sure that the ARINC 429 receiver is connected to J1B-B2*P1-58 (TRUE) and J1B-C2*P1-55 (COMPL) and that 28 ± 0.1v dc is applied to J1C-2*P1-142. Ground J1A-B4*P1-10 and J1A-D5*P1-15.		
5.1 ARINC 429 Input Test			
	Apply 60 ± 0.6v dc, 0.5A max, to the pins shown below one at a time thru a 10K ohm, 1%, 1W resistor and measure dc voltage drop across the resistor (with the positive lead of voltmeter connected to the power supply side):		
510100	J1B-D15*P1-115	7.2-8.3v dc	
510200	J1B-D14*P1-117	7.2-8.3v dc	
510300	J1B-B15*P1-109	7.2-8.3v dc	
510400	J1B-C14*P1-108	7.2-8.3v dc	
	Remove 60v dc and the resistor from the pin last tested.		
	Apply -60 ± 0.6v dc, 0.5A max, to the pins shown below one at a time thru a 10K ohm, 1%, 1W resistor and measure dc voltage drop across the resistor (with the positive lead of voltmeter connected to the power supply side):		
510500	J1B-D15*P1-115	-7.2 to -8.3v dc	
510600	J1B-D14*P1-117	-7.2 to -8.3v dc	
510700	J1B-B15*P1-109	-7.2 to -8.3v dc	
510800	J1B-C14*P1-108	-7.2 to -8.3v dc	
	Remove -60v dc and the resistor from the pin last tested.		
5.2 Level Shifter Threshold Test			
	Ground J1B-D15*P1-115 and J1B-B15*P1-109.		

23-27-03

TESTING AND FAULT ISOLATION

Page 116

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
520100	Apply 6 \pm 0.1v dc, 0.5A max, to J1B-D14*P1-117 and J1B-C14*P1-108. Measure dc voltage at the pin shown below:		
520200	J1B-D10*P1-95 J1B-C13*P1-104	Less than 2.0v dc Less than 2.0v dc	
520300	Decrease the input voltage at J1B-D14*P1-117 and J1B-C14*P1-108 to 2.86 \pm 0.1v dc. Measure dc voltage at the pin shown below:		
520400	J1B-D10*P1-95 J1B-C13*P1-104	Greater than 3.0v dc Greater than 3.0v dc	
520500	Remove ground from J1B-D15*P1-115 and J1B-B15*P1-109. Remove 2.86v dc from J1B-D14*P1-117 and J1B-C14*P1-108. Ground J1B-D14*P1-117 and J1B-C14*P1-108. Apply 6.0 \pm 0.1v dc, 0.5A max, to J1B-D15*P1-115 and J1B-B15*P1-109. Measure dc voltage at the pin shown below:		
520600	J1B-D13*P1-114 J1A-C14*P1-107	Less than 2.0v dc Less than 2.0v dc	
520700	Decrease the input voltage at J1B-D15*P1-115 and J1B-B15*P1-109 to 2.86 \pm 0.1v dc. Measure dc voltage at the pin shown below:		
520800	J1B-D13*P1-114 J1A-C14*P1-107	Greater than 3.0v dc Greater than 3.0v dc	
	Remove ground from J1B-D14*P1-117 and J1B-C14*P1-108. Remove 2.86v dc from J1B-D15*P1-115 and J1B-B15*P1-109.		
5.3 Correct Reception Test			

23-27-03

TESTING AND FAULT ISOLATION

Page 117

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	Set the ARINC 429 transmitter as follows: - Bit Rate: 12-14.5 kbit/sec - Type: Serial-LSB-First - Format: BNR 32 bits - Pulse Class: Return to Zero - Voltage One: 10 ± 1v dc - Voltage Quies: 0 ± 0.5v dc - Voltage Zero: -10 ± 1v dc		
530100	Connect the ARINC 429 transmitter to J1B-D15*P1-115 (TRUE) and J1B-D14*P1-117 (COMPL). Monitor the ARINC 429 receiver octal label 277 word. Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.	Bits 9, 10 = 0	
530200	Monitor the ARINC 429 receiver octal label 277 word. Transmit the ARINC 429 word 600000FD (HEX) at 12.5 kbits/sec and circulate continuously. Remove the ARINC 429 transmitter from J1B-D15*P1-115 and J1B-D14*P1-117. Connect the ARINC 429 transmitter to J1B-B15*P1-109 (TRUE) and J1B-C14*P1-108 (COMPL).	Bit 9 = 0, Bit 10 = 1	
530300	Monitor the ARINC 429 receiver octal label 277 word. Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.	Bits 9, 10 = 0	

23-27-03

TESTING AND FAULT ISOLATION

Page 118

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
530400	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Transmit the ARINC 429 word 600000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Remove the ARINC 429 transmitter from J1B-B15*P1-109 and J1B-C14*P1-108.</p>	Bit 9 = 0, Bit 10 = 1	
5.4 Open/Grounded Bus Test			
540100	<p>Connect the ARINC 429 transmitter to J1B-D15*P1-115 (TRUE) and J1B-D14*P1-117 (COMPL).</p> <p>Transmit the ARINC 429 word 600000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Remove the ARINC 429 transmitter from J1B-D15*P1-115 and J1B-D14*P1-117.</p> <p>Connect the ARINC 429 transmitter to J1B-D15*P1-115 (TRUE) (J1B-D14*P1-117 and COMPL port of the ARINC 429 transmitter are open).</p> <p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p>	Bits 9, 10 = 0	
540200	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Ground J1B-D14*P1-117.</p> <p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p>	Bits 9, 10 = 0	
540300	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Remove ground from J1B-D14*P1-117.</p> <p>Remove the ARINC 429 transmitter from J1B-D15*P1-115.</p> <p>Connect the ARINC 429 transmitter to J1B-D14*P1-117 (COMPL) (J1B-D15*P1-115 and TRUE port of the ARINC 429 transmitter are open).</p>	Bits 9, 10 = 0	

23-27-03

TESTING AND FAULT ISOLATION

Page 119

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
540400	<p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Ground J1B-D15*P1-115.</p> <p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p>	Bits 9, 10 = 0	
540500	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Remove ground from J1B-D15*P1-115.</p> <p>Remove the ARINC 429 transmitter from J1B-D14*P1-117.</p> <p>Connect the ARINC 429 transmitter to J1B-B15*P1-109 (TRUE) and J1B-C14*P1-108 (COMPL).</p> <p>Transmit the ARINC 429 word 600000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p>	Bits 9, 10 = 0	
540600	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Remove the ARINC 429 transmitter from J1B-B15*P1-109 and J1B-C14*P1-108.</p> <p>Connect the ARINC 429 transmitter to J1B-B15*P1-109 (TRUE) (J1B-C14*P1-108 and COMPL port of the ARINC 429 transmitter are open).</p> <p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p>	Bits 9, 10 = 0	
540700	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Ground J1B-C14*P1-108.</p> <p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p>	Bits 9, 10 = 0	
540800	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Remove ground from J1B-C14*P1-108.</p>	Bits 9, 10 = 0	

23-27-03

TESTING AND FAULT ISOLATION

Page 120

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
540900	<p>Remove the ARINC 429 transmitter from J1B-B15*P1-109.</p> <p>Connect the ARINC 429 transmitter to J1B-C14*P-108 (COMPL) (J1B-B15*P1-109 and TRUE port of the ARINC 429 transmitter are open).</p> <p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Ground J1B-B15*P1-109.</p> <p>Transmit the ARINC 429 word E20000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p>	Bits 9, 10 = 0	
541000	<p>Monitor the ARINC 429 receiver octal label 277 word.</p> <p>Remove ground from J1B-B15*P1-109.</p> <p>Remove the ARINC 429 transmitter from J1B-C14*P1-108.</p>	Bits 9, 10 = 0	
6.0 DISCRETE OUTPUT TESTS			
	<p>Connect the ARINC 429 transmitter to J1B-D15*P1-115 (TRUE) and J1B-D14*P1-117 (COMPL).</p>		
6.1 Discrete Output Inrush Test			
	<p>Transmit the ARINC 429 word 630300FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Apply 28 ± 0.1v dc, 0.5A max, to the pins shown below (discrete output pins) thru 4 individual 36 ohm, 10%, 25W resistors:</p> <p>J1A-A2*P1-9 J1A-D2*P1-3 J1A-C3*P1-6 J1A-C2*P1-1</p>		

23-27-03

TESTING AND FAULT ISOLATION

Page 121

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	<p>Transmit the ARINC 429 word E30301FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Measure dc voltage at the pin shown below:</p>		
610100	J1A-A2*P1-9	0 to 1.43v dc	
610200	J1A-D2*P1-3	27 ± 1v dc	
610300	J1A-C3*P1-6	27 ± 1v dc	
610400	J1A-C2*P1-1	27 ± 1v dc	
	<p>Transmit the ARINC 429 word E30302FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Measure dc voltage at the pin shown below:</p>		
610500	J1A-A2*P1-9	27 ± 1v dc	
610600	J1A-D2*P1-3	0 to 1.43v dc	
610700	J1A-C3*P1-6	27 ± 1v dc	
610800	J1A-C2*P1-1	27 ± 1v dc	
	<p>Transmit the ARINC 429 word E30304FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Measure dc voltage at the pin shown below:</p>		
610900	J1A-A2*P1-9	27 ± 1v dc	
611000	J1A-D2*P1-3	27 ± 1v dc	
611100	J1A-C3*P1-6	0 to 1.43v dc	
611200	J1A-C2*P1-1	27 ± 1v dc	
	<p>Transmit the ARINC 429 word E30308FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Measure dc voltage at the pin shown below:</p>		
611300	J1A-A2*P1-9	27 ± 1v dc	
611400	J1A-D2*P1-3	27 ± 1v dc	
611500	J1A-C3*P1-6	27 ± 1v dc	
611600	J1A-C2*P1-1	0 to 1.43v dc	
	Remove 28v dc and the resistors from the discrete output pins.		
6.2 Discrete Output Test			
	Ground the pins shown below (discrete output pins):		

23-27-03

TESTING AND FAULT ISOLATION

Page 122

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
620100	J1A-A2*P1-9 J1A-D2*P1-3 J1A-C3*P1-6 J1A-C2*P1-1 Transmit the ARINC 429 word 630300FD (HEX) at 12.5 kbits/sec and circulate continuously. Transmit the ARINC 429 word 020001FD (HEX) at 12.5 kbits/sec and circulate continuously.	Bits 28 thru 21 are in between 10100100 and 10101100 (A4 (HEX) and AC (HEX))	
620200	Monitor the ARINC 429 receiver octal label 277 word bits 21 (LSB) thru 28 (MSB). Transmit the ARINC 429 word 020002FD (HEX) at 12.5 kbits/sec and circulate continuously.	Bits 28 thru 21 are in between 10100100 and 10101100 (A4 (HEX) and AC (HEX))	
620300	Monitor the ARINC 429 receiver octal label 277 word bits 21 (LSB) thru 28 (MSB). Transmit the ARINC 429 word E20003FD (HEX) at 12.5 kbits/sec and circulate continuously.	Bits 28 thru 21 are in between 10100100 and 10101100 (A4 (HEX) and AC (HEX))	
620400	Monitor the ARINC 429 receiver octal label 277 word bits 21 (LSB) thru 28 (MSB). Remove ground from the discrete output pins J1A-A2*P1-9, J1A-D2*P1-3, J1A-C3*P1-6 and J1A-C2*P1-1. Apply 28 \pm 0.1v dc, 0.5A max, to the pins shown below thru 4 individual 249-ohm, 1%, 5W resistors: J1A-A2*P1-9 J1A-D2*P1-3 J1A-C3*P1-6 J1A-C2*P1-1	Bits 28 thru 21 are in between 10100100 and 10101100 (A4 (HEX) and AC (HEX))	

23-27-03

TESTING AND FAULT ISOLATION

Page 123

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
620500	Transmit the ARINC 429 word E3030EFD (HEX) at 12.5 kbits/sec and circulate continuously. Measure dc voltage at the pin shown below: J1A-A2*P1-9	26v dc or greater	
620600	J1A-D2*P1-3	0 to 0.84v dc	
620700	J1A-C3*P1-6	0 to 0.84v dc	
620800	J1A-C2*P1-1	0 to 0.84v dc	
620900	Remove 28v dc and the resistor from J1A-A2*P1-9. Apply 28 \pm 0.1v dc, 0.5A max, to J1A-A2*P1-9 thru a 100K ohm, 1%, 1/4W resistor. Measure dc voltage drop across the 100K ohm resistor with the positive lead of voltmeter connected to the power supply side. Remove 28v dc and the 100K ohm resistor from J1A-A2*P1-9. Apply 28 \pm 0.1v dc, 0.5A max, to J1A-A2*P1-9 thru a 249- ohm, 1%, 5W resistor.	3.9 to 13.7v dc	
621000	Transmit the ARINC 429 word E3030DFD (HEX) at 12.5 kbits/sec and circulate continuously. Measure dc voltage at the pin shown below: J1A-A2*P1-9	0 to 0.84v dc	
621100	J1A-D2*P1-3	26v dc or greater	
621200	J1A-C3*P1-6	0 to 0.84v dc	
621300	J1A-C2*P1-1	0 to 0.84v dc	
621400	Remove 28v dc and the 249 ohm resistor from J1A-D2*P1-3. Apply 28 \pm 0.1v dc, 0.5A max, to J1A-D2*P1-3 thru a 100K ohm, 1%, 1/4W resistor. Measure dc voltage drop across the 100K ohm resistor with the positive lead of voltmeter connected to the power supply side.	3.9 to 13.7v dc	

23-27-03

TESTING AND FAULT ISOLATION

Page 124

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	<p>Remove 28v dc and the 100K ohm resistor from J1A-D2*P1-3.</p> <p>Apply 28 ±0.1v dc, 0.5A max, to J1A-D2*P1-3 thru a 249- ohm, 1%, 5W resistor.</p> <p>Transmit the ARINC 429 word E3030BFD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Measure dc voltage at the pin shown below:</p>		
621500	J1A-A2*P1-9	0 to 0.84v dc	
621600	J1A-D2*P1-3	0 to 0.84v dc	
621700	J1A-C3*P1-6	26v dc or greater	
621800	J1A-C2*P1-1	0 to 0.84v dc	
	<p>Remove 28v dc and the 249 ohm resistor from J1A-C3*P1-6.</p> <p>Apply 28 ±0.1v dc, 0.5A max, to J1A-C3*P1-6 thru a 100K ohm, 1%, 1/4W resistor.</p>		
621900	<p>Measure dc voltage drop across the 100K ohm resistor with the positive lead of voltmeter connected to the power supply side.</p> <p>Remove 28v dc and the 100K ohm resistor from J1A-C3*P1-6.</p> <p>Apply 28 ±0.1v dc, 0.5A max, to J1A-C3*P1-6 thru a 249- ohm, 1%, 5W resistor.</p> <p>Transmit the ARINC 429 word E30307FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Measure dc voltage at the pin shown below:</p>	3.9 to 13.7v dc	
622000	J1A-A2*P1-9	0 to 0.84v dc	
622100	J1A-D2*P1-3	0 to 0.84v dc	
622200	J1A-C3*P1-6	0 to 0.84v dc	
622300	J1A-C2*P1-1	26v dc or greater	
	<p>Remove 28v dc and the 249 ohm resistor from J1A-C2*P1-1.</p>		

23-27-03

TESTING AND FAULT ISOLATION

Page 125

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 101: Trouble Shooting Procedure 1 (Continued)

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
622400	<p>Apply 28 \pm0.1v dc, 0.5A max, to J1A-C2*P1-1 thru a 100K ohm, 1%, 1/4W resistor.</p> <p>Measure dc voltage drop across the 100K ohm resistor with the positive lead of voltmeter connected to the power supply side.</p> <p>Remove 28v dc and the 100K ohm resistor from J1A-C2*P1-1.</p> <p>Apply 28 \pm0.1v dc, 0.5A max, to J1A-C2*P1-1 thru a 249 ohm, 1%, 5W resistor.</p>	3.9 to 13.7v dc	
6.3 BITE LED Test			
630100	<p>Transmit the ARINC 429 word 630408FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor "PCA FAULT" LED.</p>	on	
630200	<p>Transmit the ARINC 429 word E30400FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor "PCA FAULT" LED.</p>	off	
630300	<p>Transmit the ARINC 429 word 630410FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor "INTERFACE FAULT" LED.</p>	on	
630400	<p>Transmit the ARINC 429 word E30400FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor "INTERFACE FAULT" LED.</p>	off	
6.4 Watchdog Timer Test			
640100	<p>Transmit the ARINC 429 word E10000FD (HEX) at 12.5 kbits/sec and circulate continuously.</p> <p>Monitor the ARINC 429 receiver octal label 277 word bits 9 and 10.</p>	Bit 9 = 1, Bit 10 = 0	
640200	<p>Monitor the ARINC 429 receiver octal label 277 word bits 21 (LSB) thru 28 (MSB). Remove all connections.</p>	Bit 28 thru 21 are in between 01010001 and 10000111 (51 (HEX) and 87 (HEX))	

23-27-03

TESTING AND FAULT ISOLATION

Page 126

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 102: Trouble Shooting Procedure 2

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	If Stat. No. 350150 fails, monitor the ARINC 429 receiver words shown below:		
	Octal Label		
350200	351	Bits 11 thru 27 = 0	For Stat No. 350200 thru 350700, see TESTING AND FAULT ISOLATION, Table 104 for Fault Isolation
350300	352	Bits 11 thru 27 = 0	
350400	353	Bits 11 thru 27 = 0	
350500	354	Bits 11 thru 29 = 0	
350600	355	Bits 11 thru 29 = 0	
350700	356	Bits 11 thru 19 = 0	

Table 103: Trouble Shooting Procedure 3

STAT NO.	PROCEDURE	REQUIRED RESULT	COMPONENT TESTED
	If Stat. No. 360150 fails, monitor the ARINC 429 receiver words shown below:		
	Octal Label		
360200	351	Bits 11 thru 27 = 0	For STAT NO. 360200 thru 360700, see TESTING AND FAULT ISOLATION, Table 104 for Fault Isolation
360300	352	Bits 11 thru 27 = 0	
360400	353	Bits 11 thru 27 = 0	
360500	354	Bits 11 thru 29 = 0	
360600	355	Bits 11 thru 29 = 0	
360700	356	Bits 11 thru 19 = 0	

23-27-03

TESTING AND FAULT ISOLATION

Page 127

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 104: Fault Isolation

OCTAL LABEL	FAILED BIT	FAILURE
350	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	IAD MISCONFIGURED INVALID PROG PIN PORT 1 INACTIVE PORT 2 INACTIVE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE REFER TO WORD 356 REFER TO WORD 355 REFER TO WORD 354 REFER TO WORD 353 REFER TO WORD 352 REFER TO WORD 351 ONBOARD FAULT
351	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	IAD 1 IAD 2 IAD 3 IAD 4 IAD 5 IAD 6 IAD 7 IAD 8 IAD 9 IAD 10 IAD 11 IAD 12 IAD 13 IAD 14 IAD 15 IAD 16 OAD 1 SPARE SPARE

23-27-03

TESTING AND FAULT ISOLATION

Page 128

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 104: Fault Isolation (Continued)

OCTAL LABEL	FAILED BIT	FAILURE
352	11	IAD 17
	12	IAD 18
	13	IAD 19
	14	IAD 20
	15	IAD 21
	16	IAD 22
	17	IAD 23
	18	IAD 24
	19	IAD 25
	20	IAD 26
	21	IAD 27
	22	IAD 28
	23	IAD 29
353	24	IAD 30
	25	IAD 31
	26	IAD 32
	27	OAD 2
	28	SPARE
	29	SPARE
	11	IAD 33
	12	IAD 34
	13	IAD 35
	14	IAD 36
	15	IAD 37
	16	IAD 38
	17	IAD 39
	18	IAD 40
	19	IAD 41
	20	IAD 42
21	IAD 43	
22	IAD 44	
23	IAD 45	
24	IAD 46	
25	IAD 47	
26	IAD 48	
27	OAD 3	
28	SPARE	
29	SPARE	

23-27-03

TESTING AND FAULT ISOLATION

Page 129

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 104: Fault Isolation (Continued)

OCTAL LABEL	FAILED BIT	FAILURE
354	11	IAD 49
	12	IAD 50
	13	IAD 51
	14	IAD 52
	15	IAD 53
	16	IAD 54
	17	IAD 55
	18	IAD 56
	19	IAD 57
	20	IAD 58
	21	IAD 59
	22	IAD 60
	23	IAD 61
	24	IAD 62
	25	IAD 63
	26	IAD 64
	27	OAD 4
	28	A/D
	29	A/D CONV
355	11	PROG PIN 0
	12	PROG PIN 1
	13	PROG PIN 2
	14	PROG PIN 3
	15	PROG PIN 4
	16	PROG PIN 5
	17	PROG PIN 6
	18	PROG PIN 7
	19	PROG PIN 8
	20	PROG PIN 9
	21	PROG PIN 10
	22	PROG PIN 11
	23	PROG PIN 12
	24	PROG PIN 13
	25	PROG PIN 14
	26	PROG PIN 15
	27	ARINC TX
	28	ARINC TX RX 2
	29	ARINC TX RX 1

23-27-03

TESTING AND FAULT ISOLATION

Page 130

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

Table 104: Fault Isolation (Continued)

OCTAL LABEL	FAILED BIT	FAILURE
356	11	CHAR 1
	12	CHAR 2
	13	CHAR 3
	14	CHAR 4
	15	CHAR 5
	16	CHAR 6
	17	CHAR 7
	18	CHAR 8
	19	CHAR 9
	20	SPARE
	21	SPARE
	22	SPARE
	23	SPARE
	24	SPARE
	25	SPARE
	26	SPARE
	27	SPARE
	28	SPARE
	29	SPARE

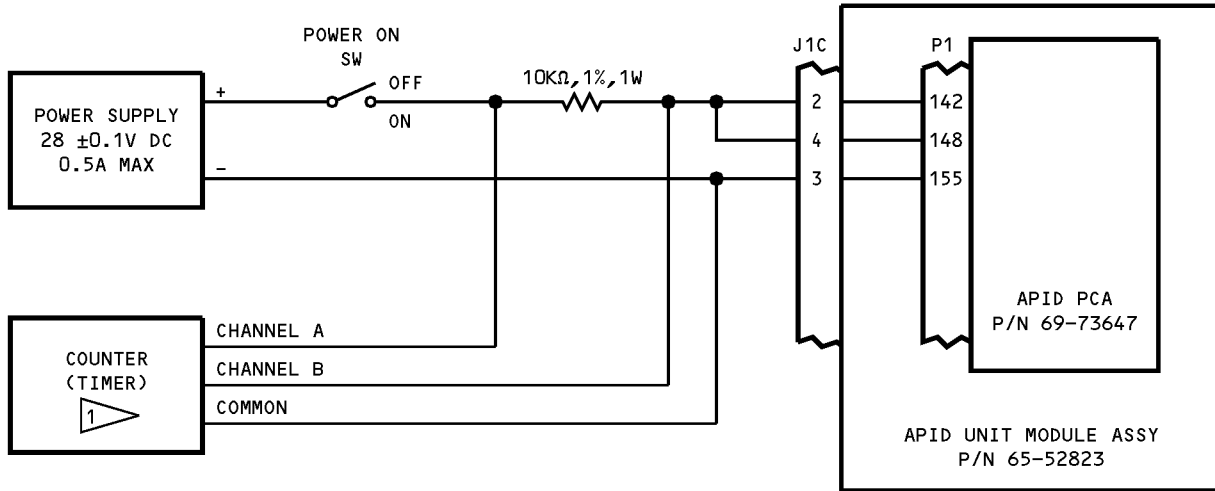
23-27-03


TESTING AND FAULT ISOLATION

Page 131

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



 TRIGGER LEVEL
 CHANNEL A: 0.1V, POS-SLOPE
 CHANNEL B: 20.0V, POS-SLOPE

Signal Isolation Test Setup
Figure 101

23-27-03

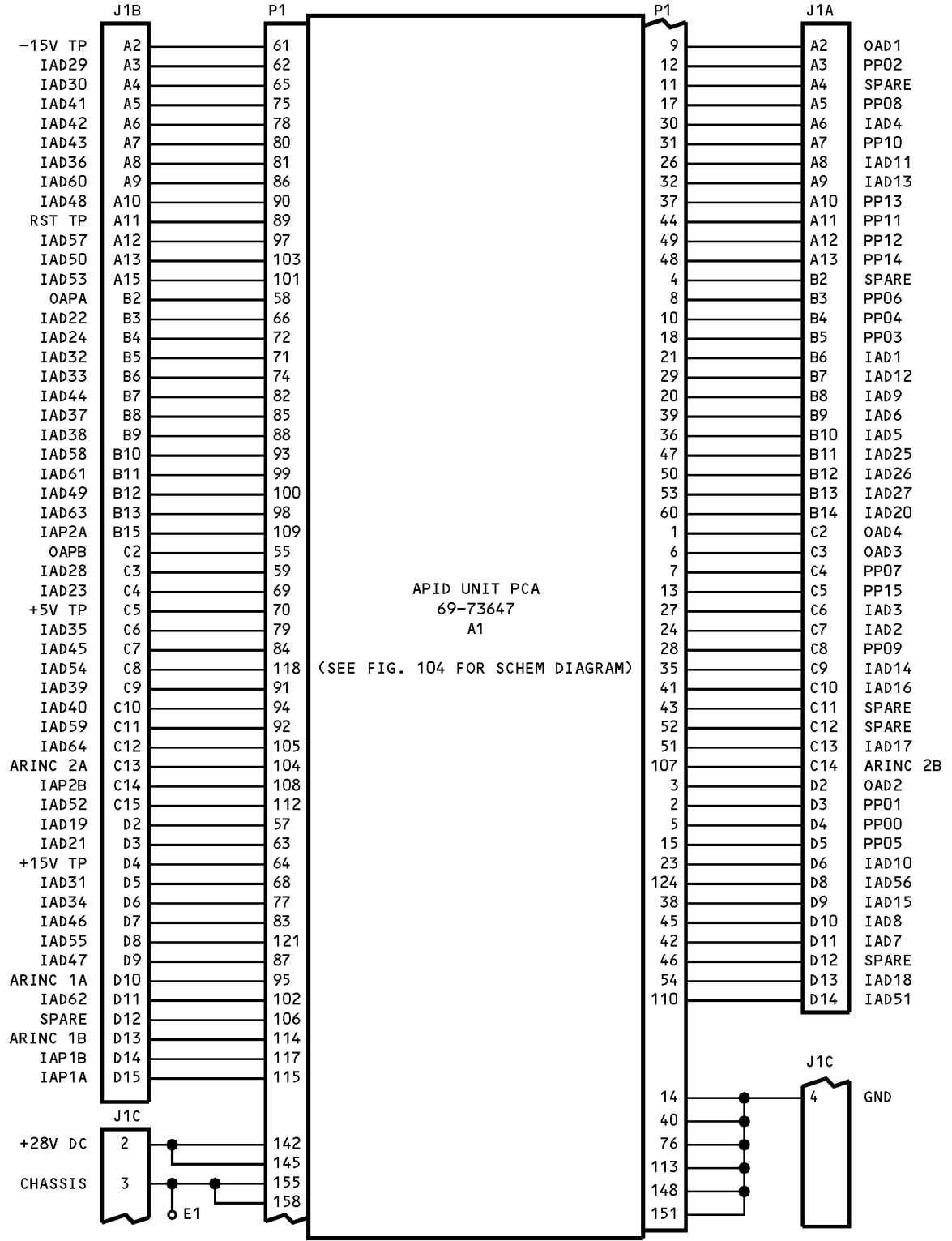
TESTING AND FAULT ISOLATION

Page 132

Mar 01/2007



COMPONENT MAINTENANCE MANUAL



AIRPLANE IDENTIFICATION UNIT MODULE ASSEMBLY 65-52823-1 Schematic Diagram
Figure 102

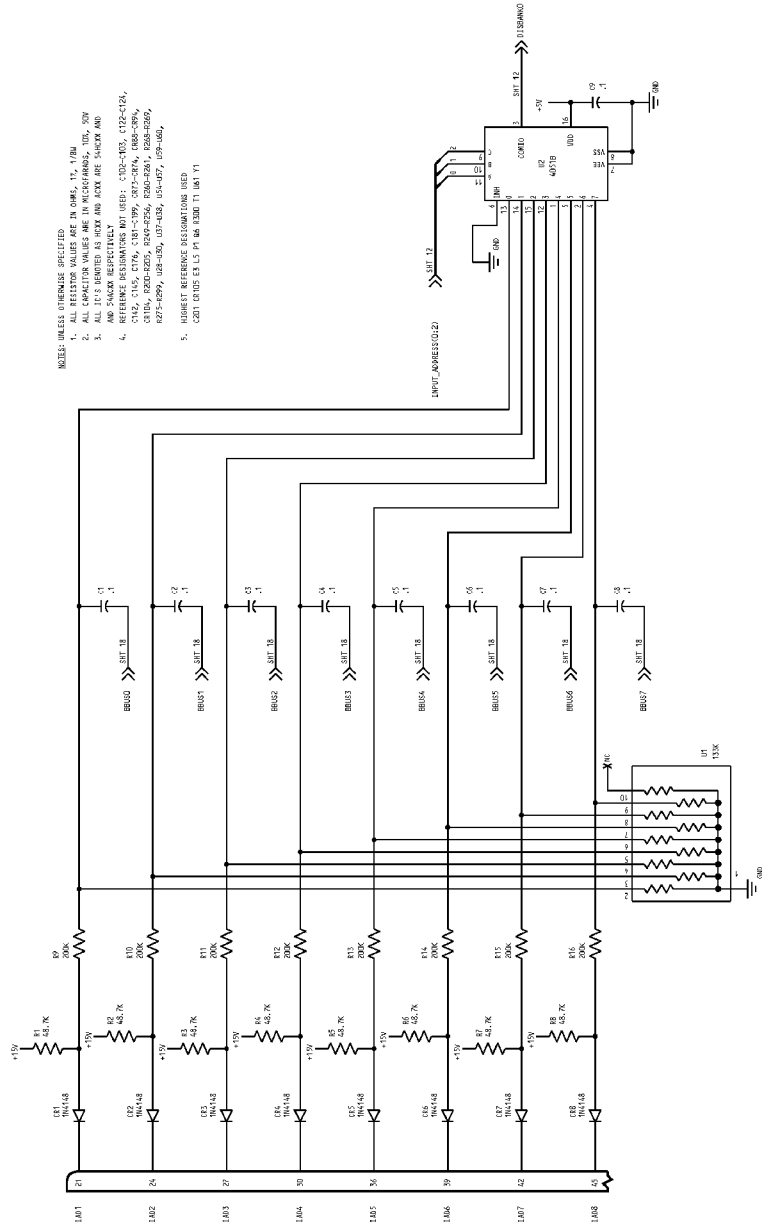
23-27-03

TESTING AND FAULT ISOLATION

Page 133

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



DISCRETE INPUT (1 OF 8)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 1 of 21)

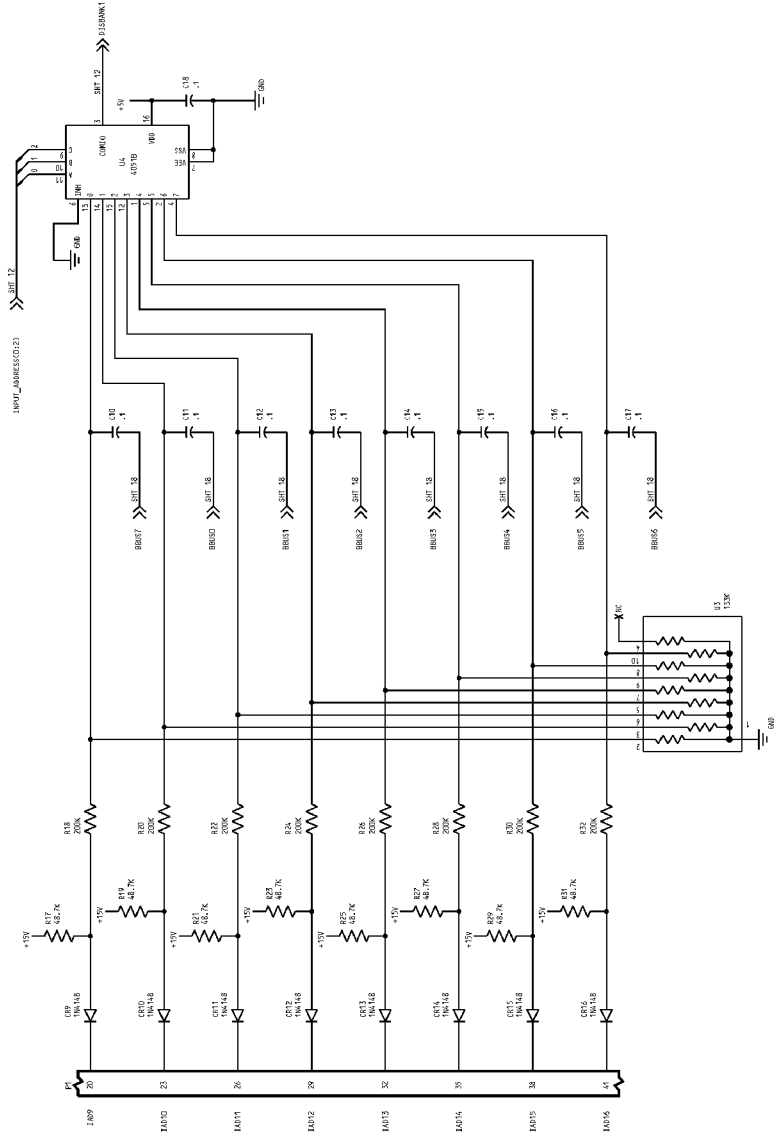
23-27-03

TESTING AND FAULT ISOLATION

Page 134

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



DISCRETE INPUT (2 OF 8)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 2 of 21)

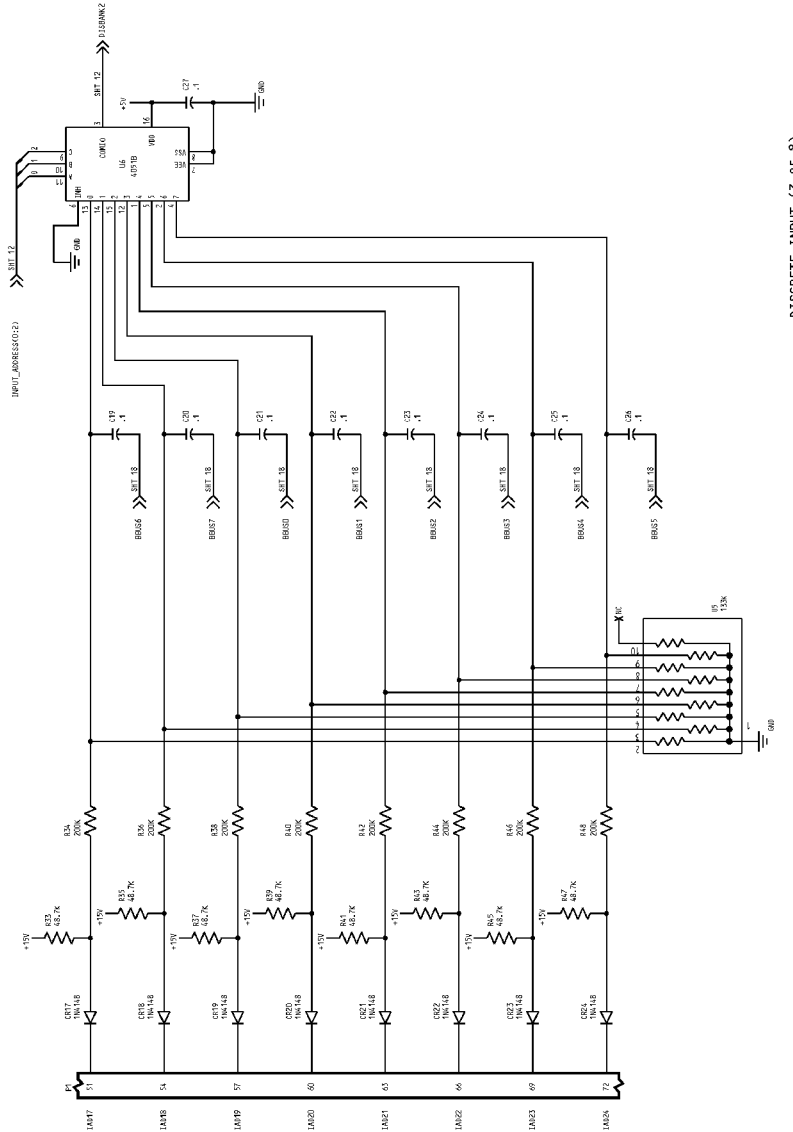
23-27-03

TESTING AND FAULT ISOLATION

Page 135

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 3 of 21)

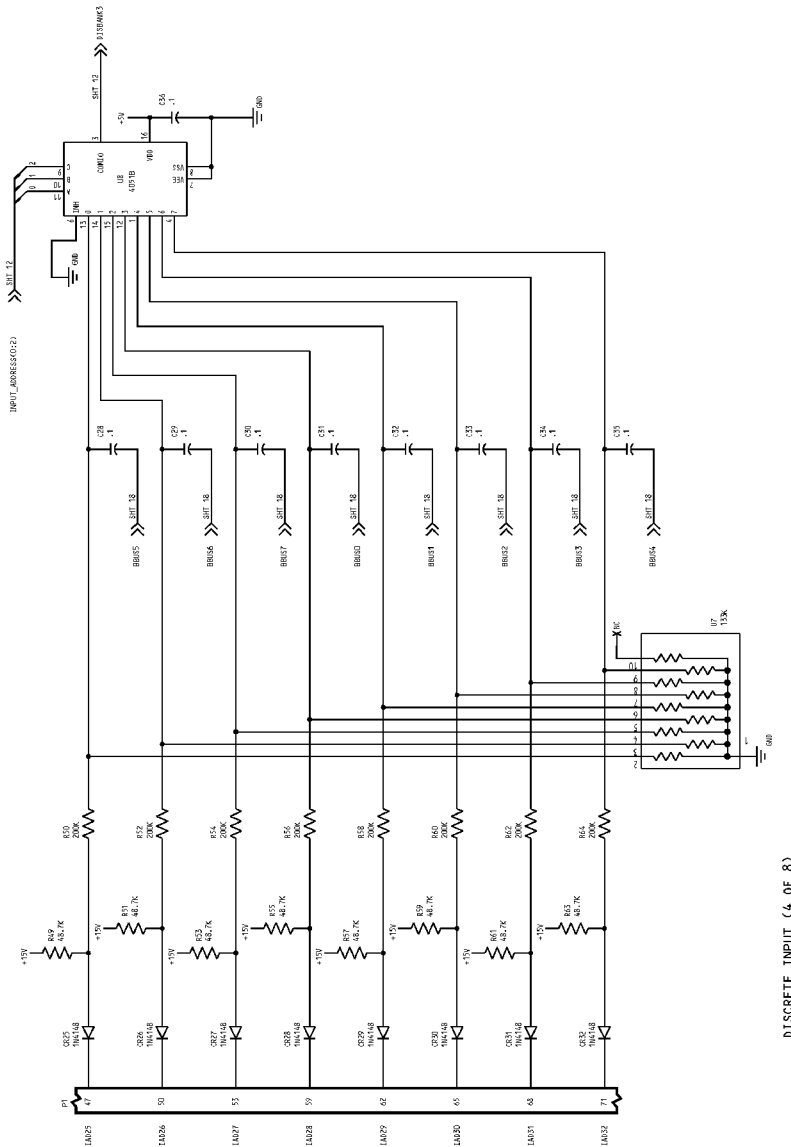
23-27-03

TESTING AND FAULT ISOLATION

Page 136

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



DISCRETE INPUT (4 OF 8)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 4 of 21)

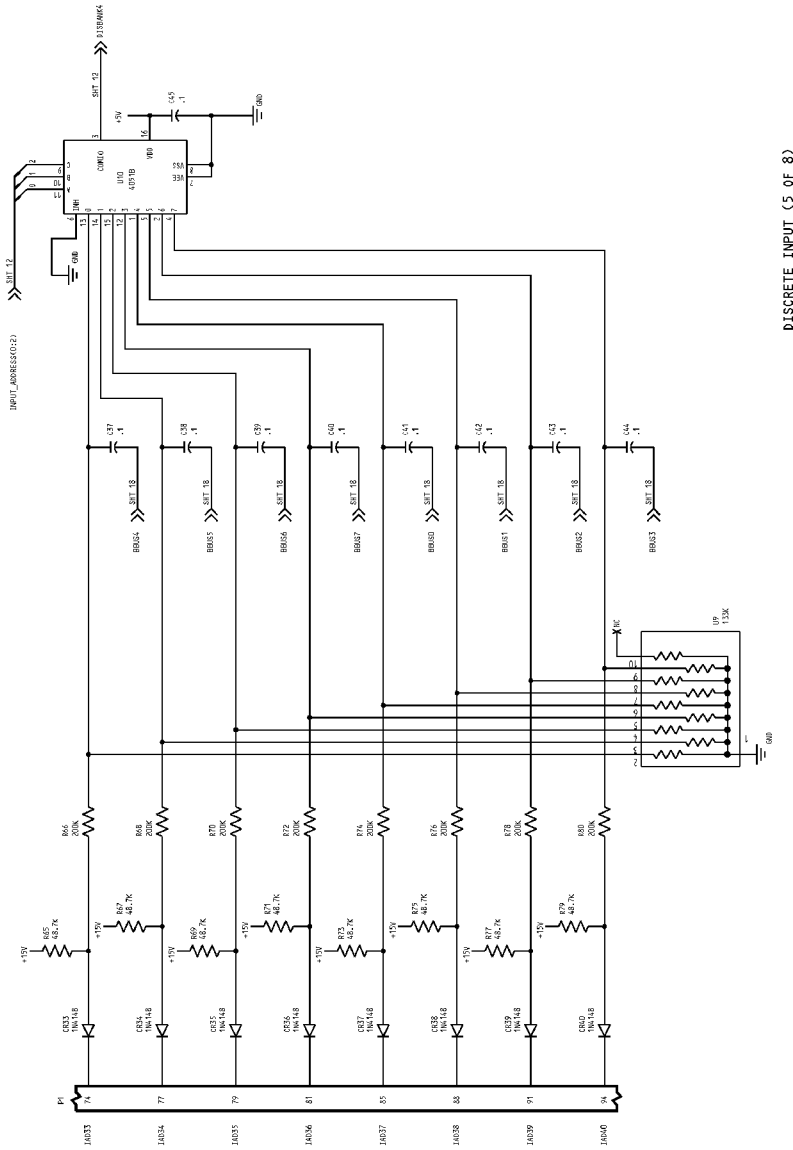
23-27-03

TESTING AND FAULT ISOLATION

Page 137

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 5 of 21)

DISCRETE INPUT (5 OF 8)

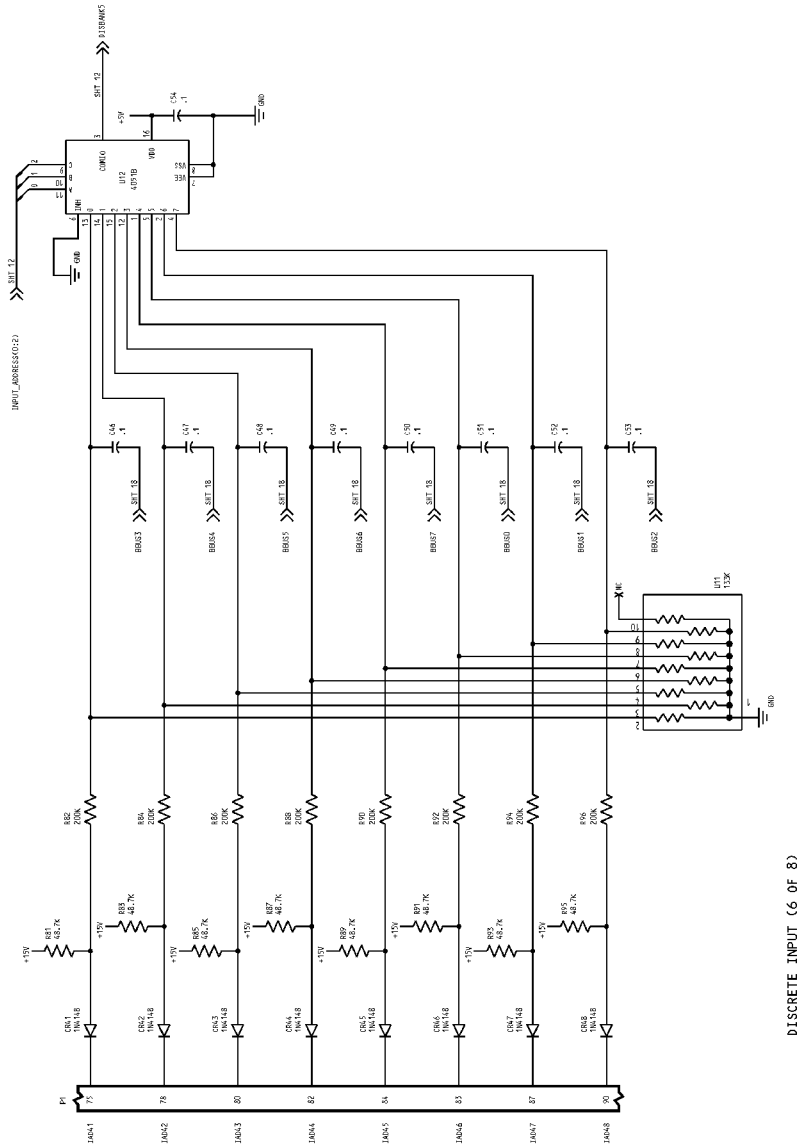
23-27-03

TESTING AND FAULT ISOLATION

Page 138

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 6 of 21)

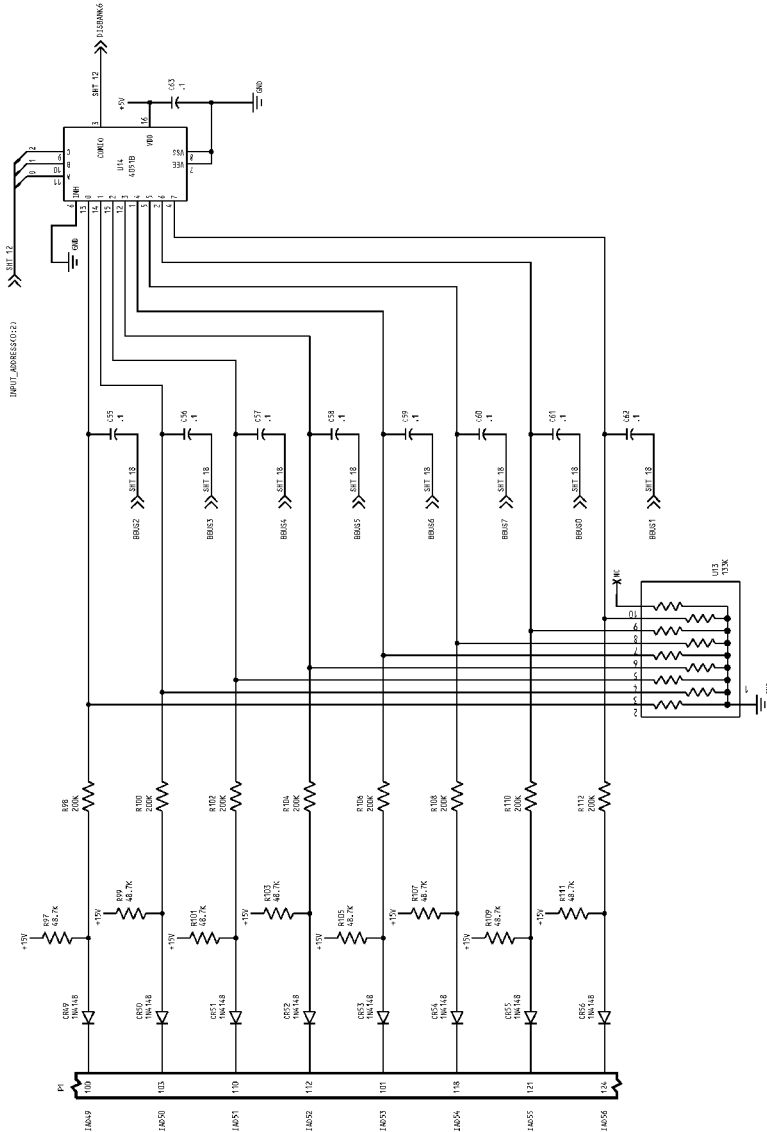
23-27-03

TESTING AND FAULT ISOLATION

Page 139

Mar 01/2007

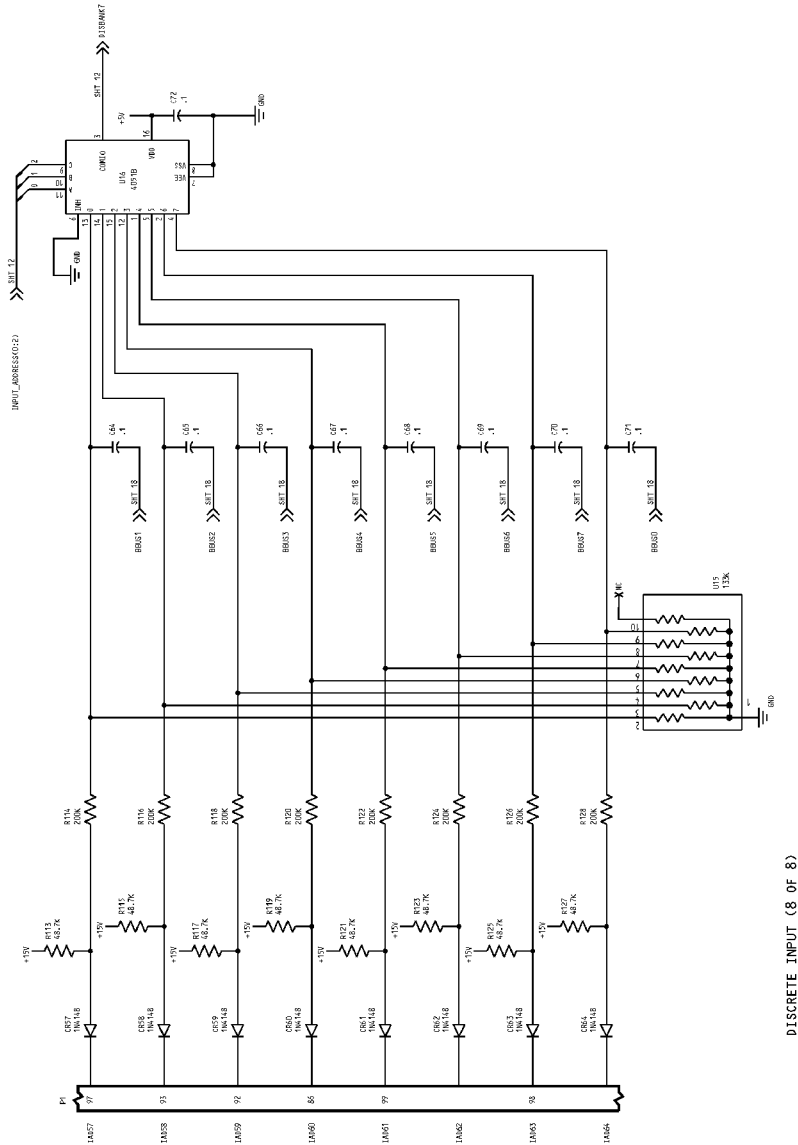
COMPONENT MAINTENANCE MANUAL



DISCRETE INPUT (7 OF 8)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 7 of 21)

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 8 of 21)

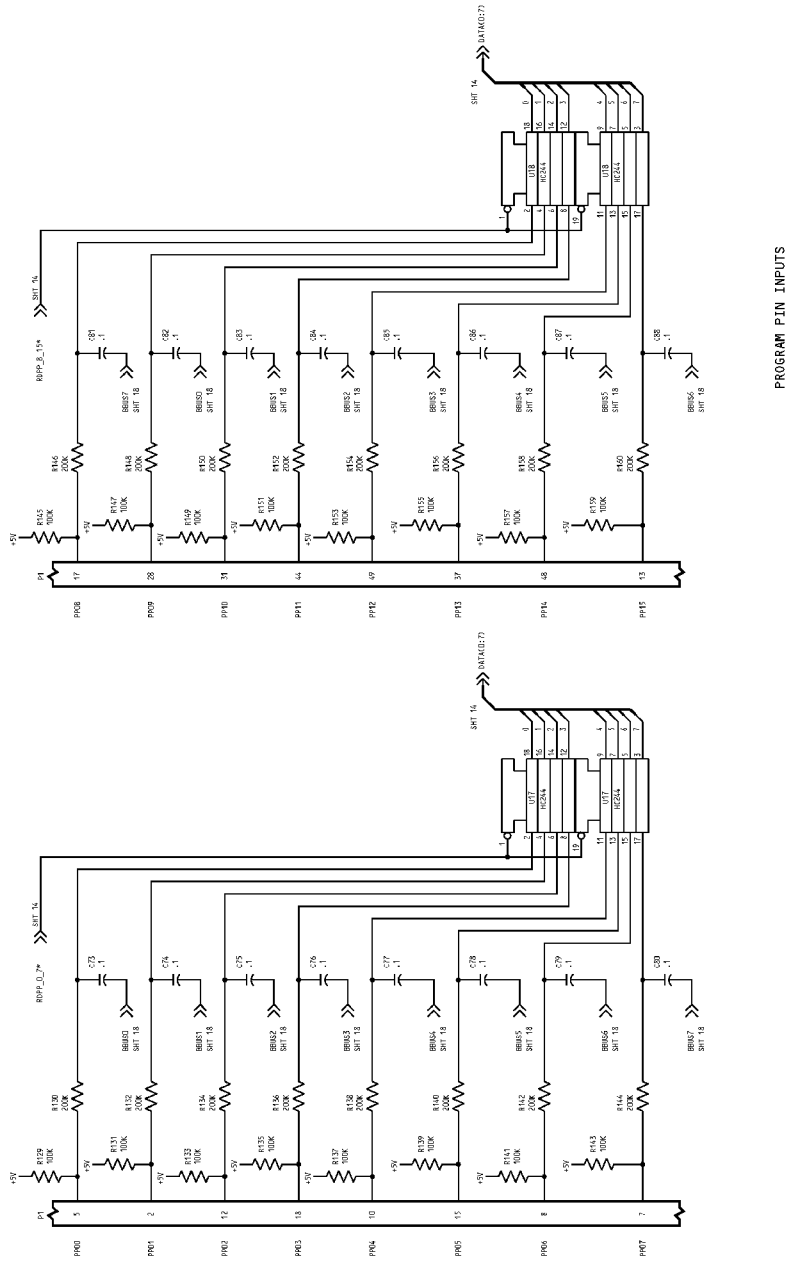
23-27-03

TESTING AND FAULT ISOLATION

Page 141

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 9 of 21)

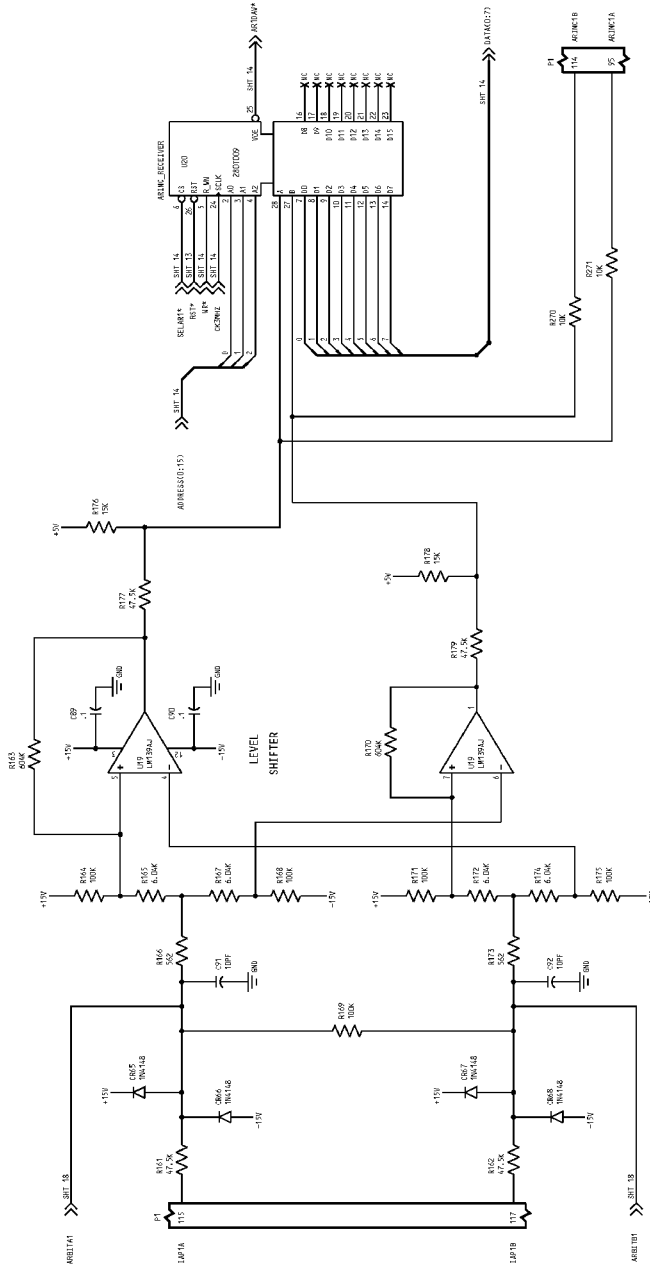
23-27-03

TESTING AND FAULT ISOLATION

Page 142

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



ARINC 429 RECEIVER (PORT 1)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 10 of 21)

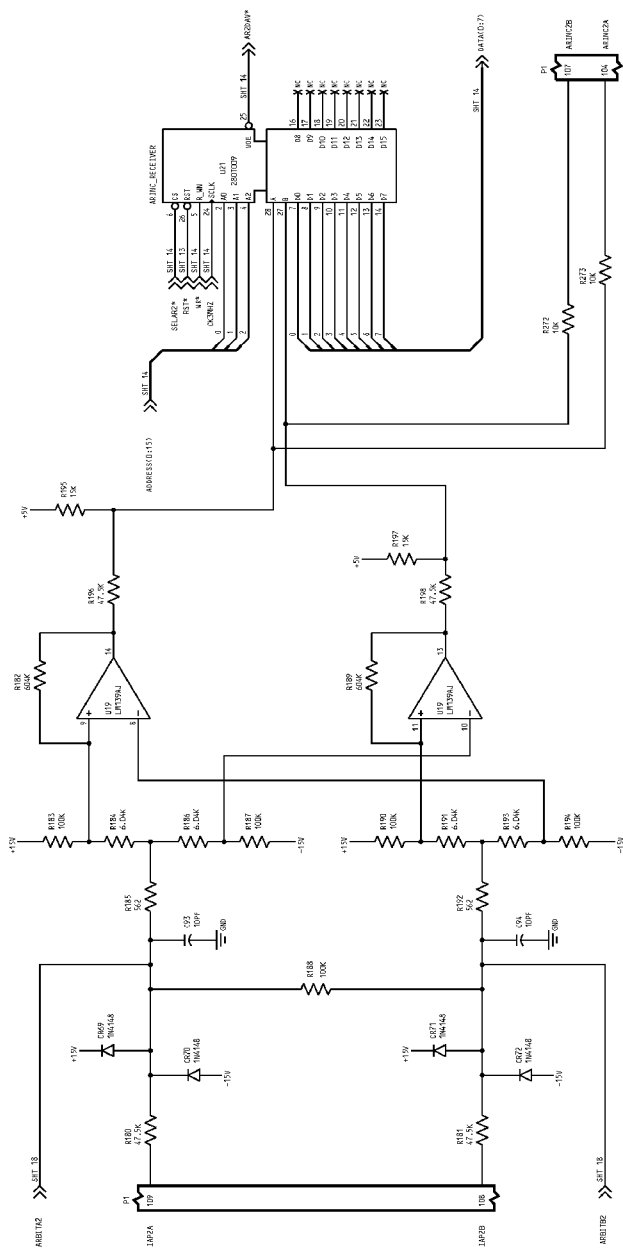
23-27-03

TESTING AND FAULT ISOLATION

Page 143

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



ARINC 429 RECEIVER (PORT 2)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 11 of 21)

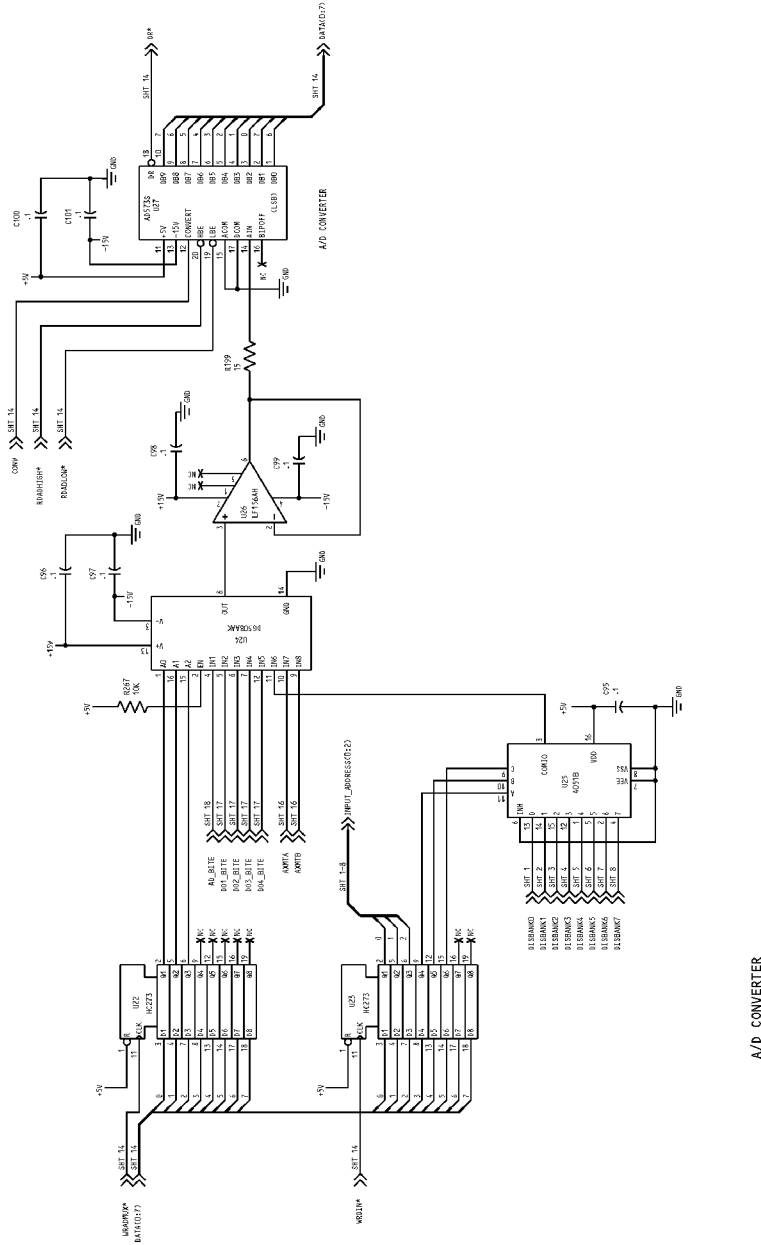
23-27-03

TESTING AND FAULT ISOLATION

Page 144

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 12 of 21)

A/D CONVERTER

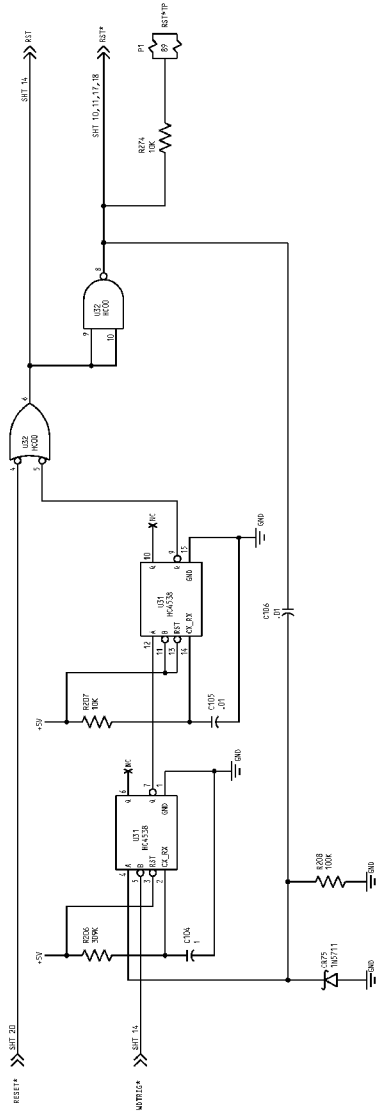
23-27-03

TESTING AND FAULT ISOLATION

Page 145

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



RESET LOGIC

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 13 of 21)

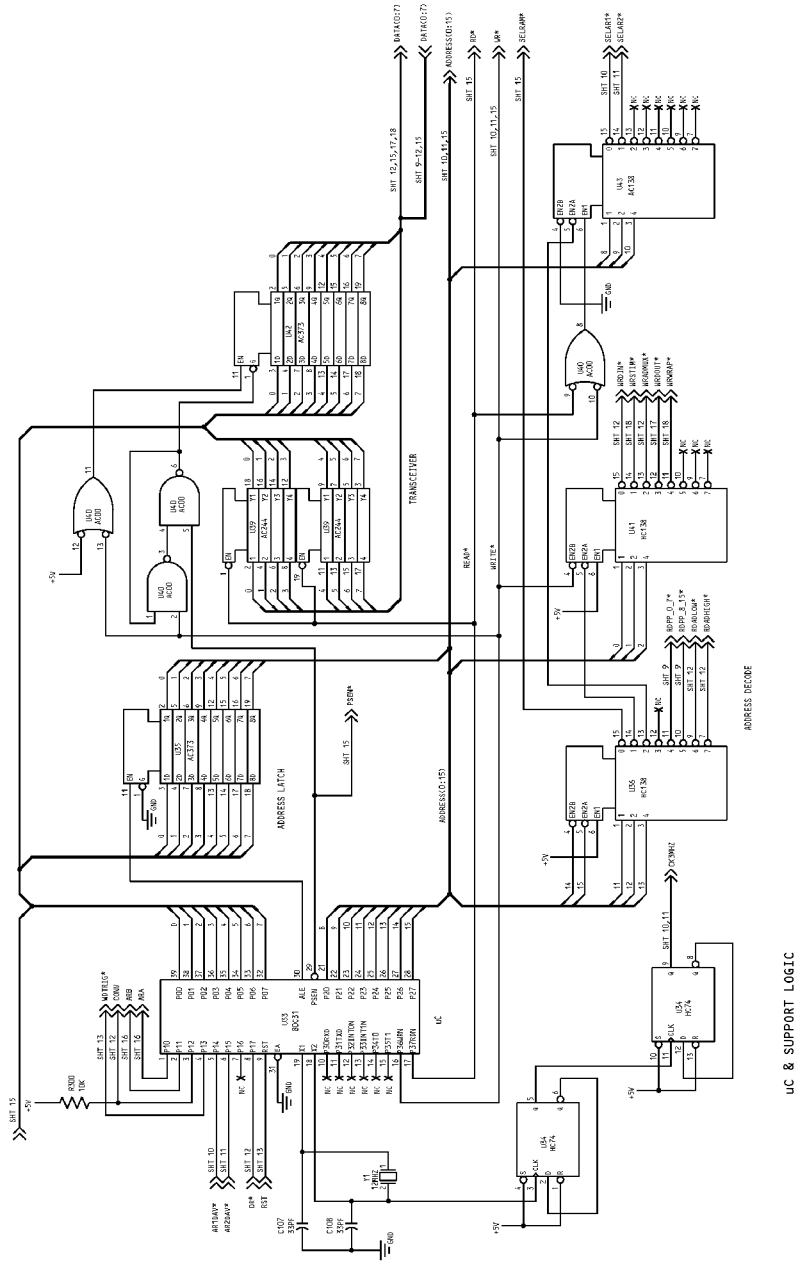
23-27-03

TESTING AND FAULT ISOLATION

Page 146

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 14 of 21)

23-27-03

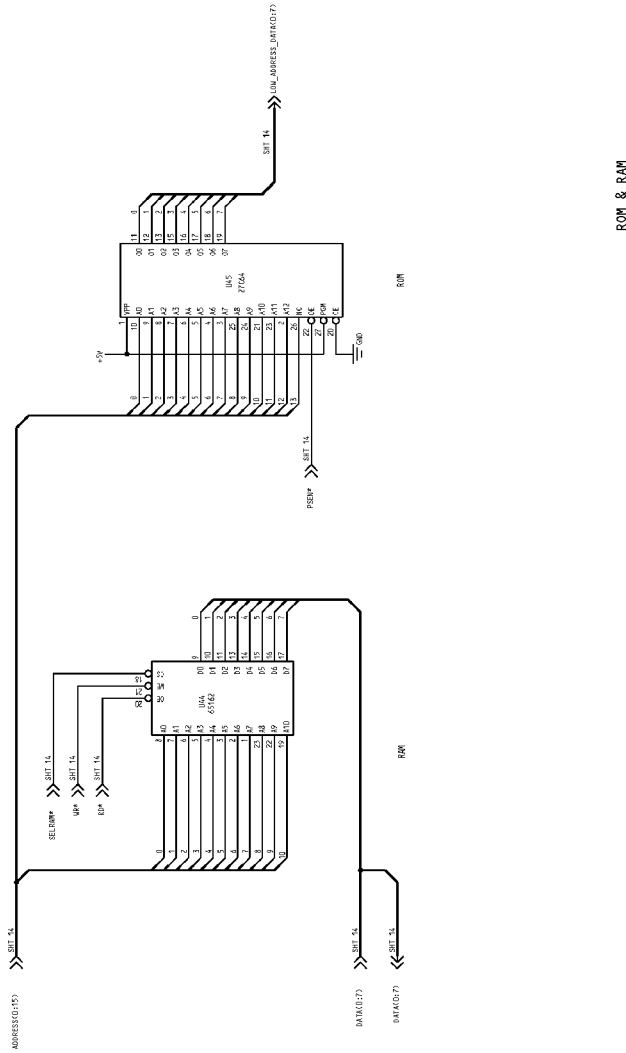
TESTING AND FAULT ISOLATION

Page 147

Mar 01/2007



COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 15 of 21)

23-27-03

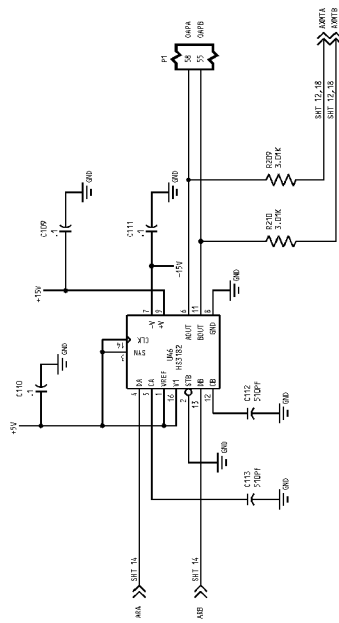
TESTING AND FAULT ISOLATION

Page 148

Mar 01/2007



COMPONENT MAINTENANCE MANUAL



ARTIC TRANSMITTER

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 16 of 21)

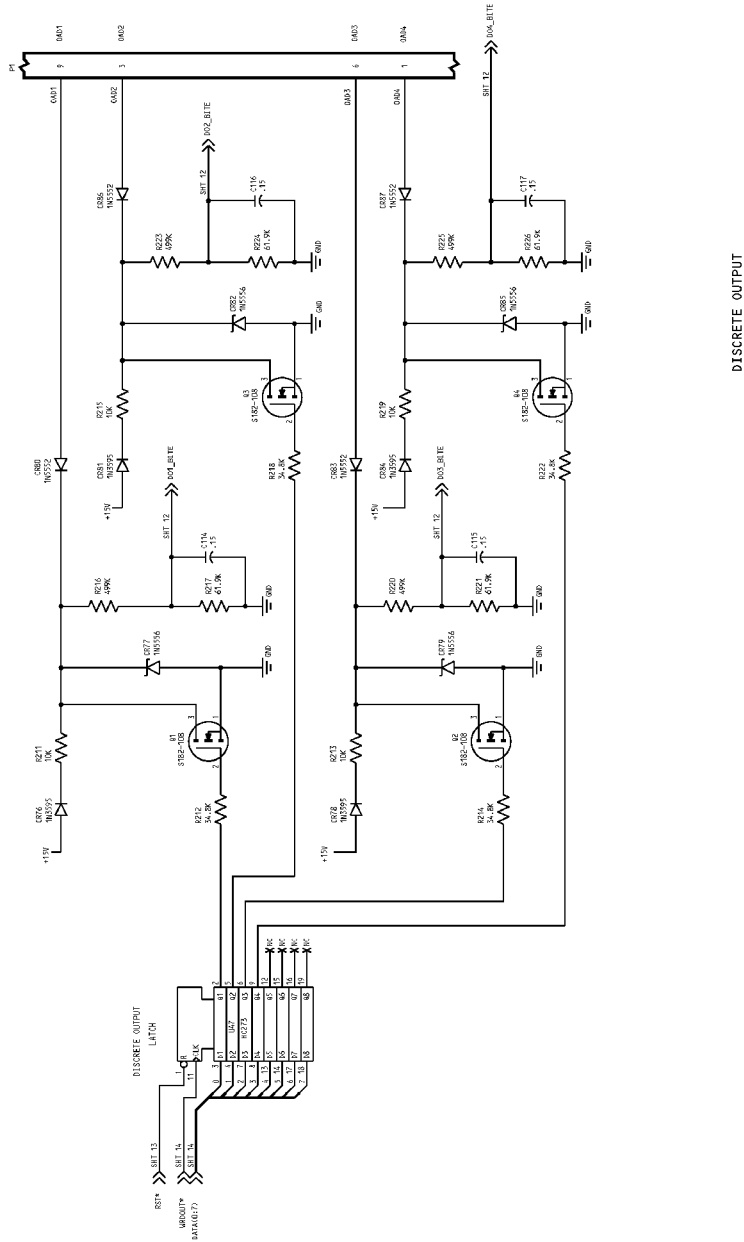
23-27-03

TESTING AND FAULT ISOLATION

Page 149

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 17 of 21)

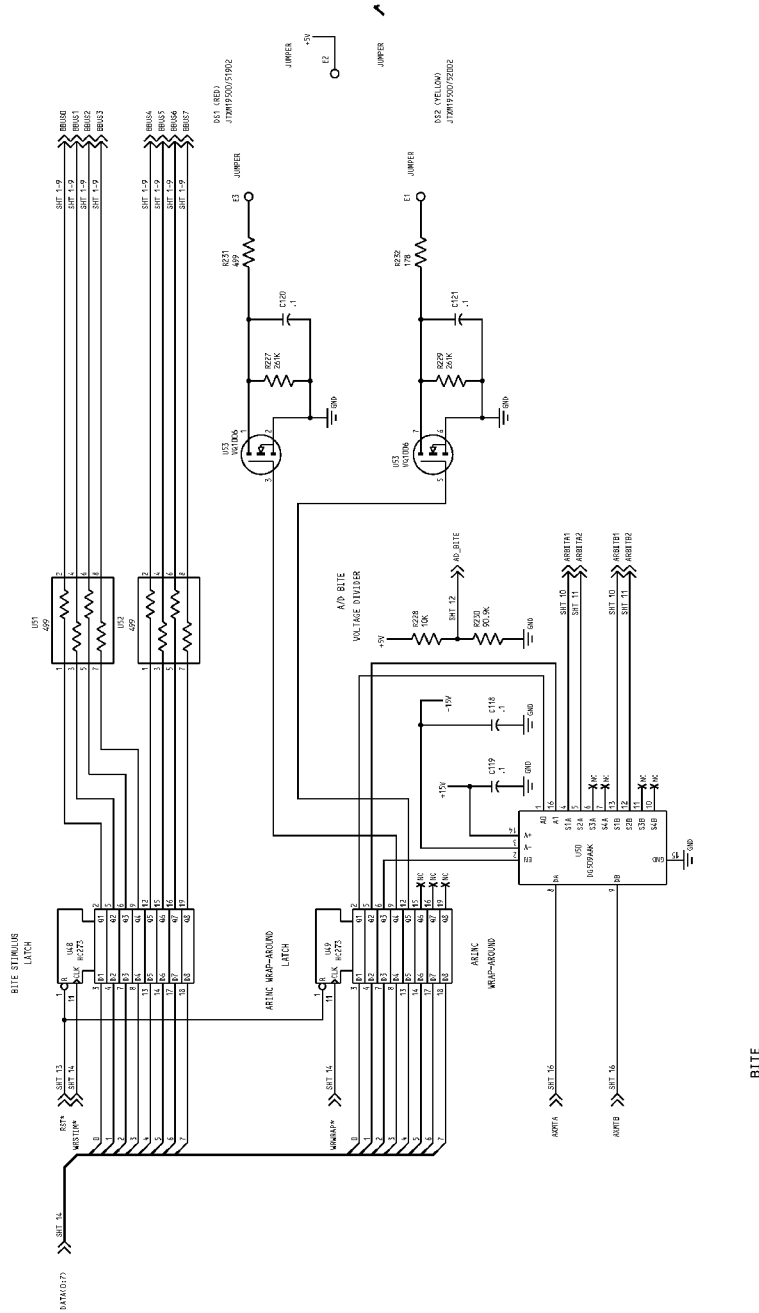
23-27-03

TESTING AND FAULT ISOLATION

Page 150

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 18 of 21)

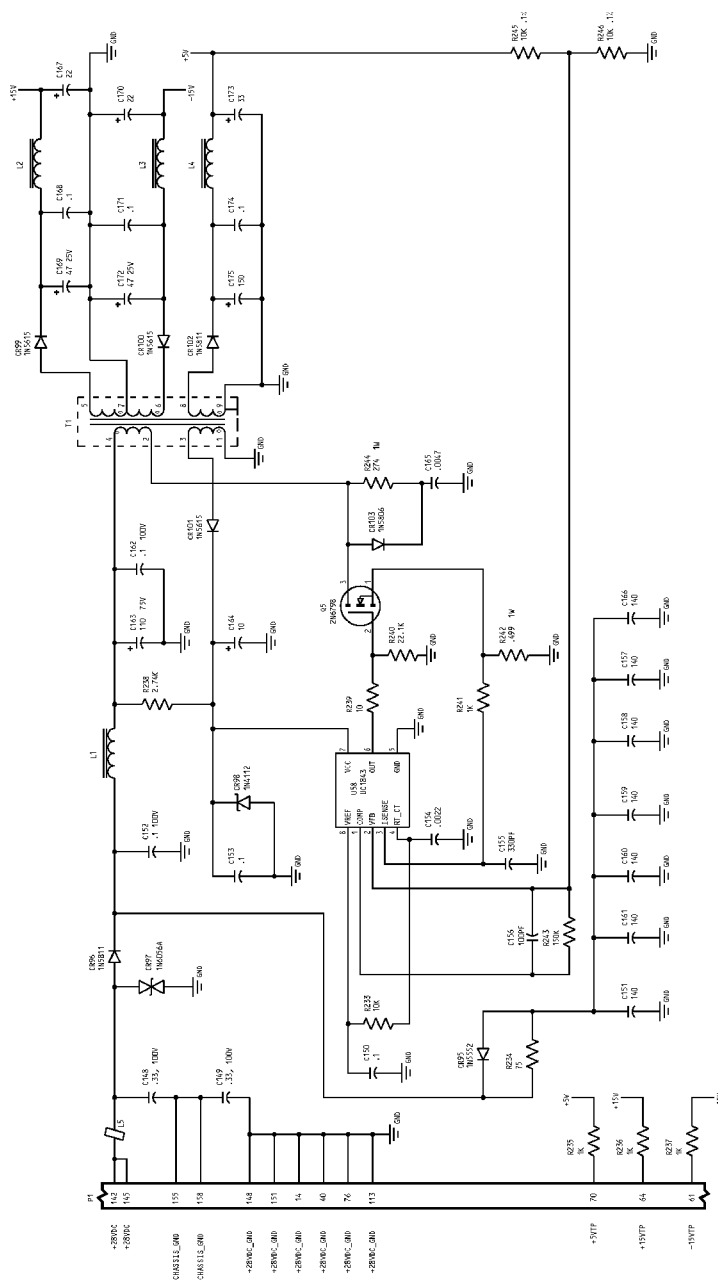
23-27-03

TESTING AND FAULT ISOLATION

Page 151

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



POWER SUPPLY (1 OF 2)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 19 of 21)

23-27-03

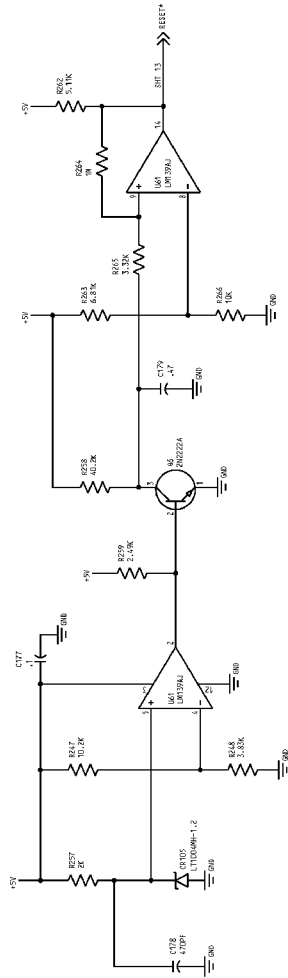
TESTING AND FAULT ISOLATION

Page 152

Mar 01/2007



COMPONENT MAINTENANCE MANUAL



POWER SUPPLY (2 OF 2)

69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 20 of 21)

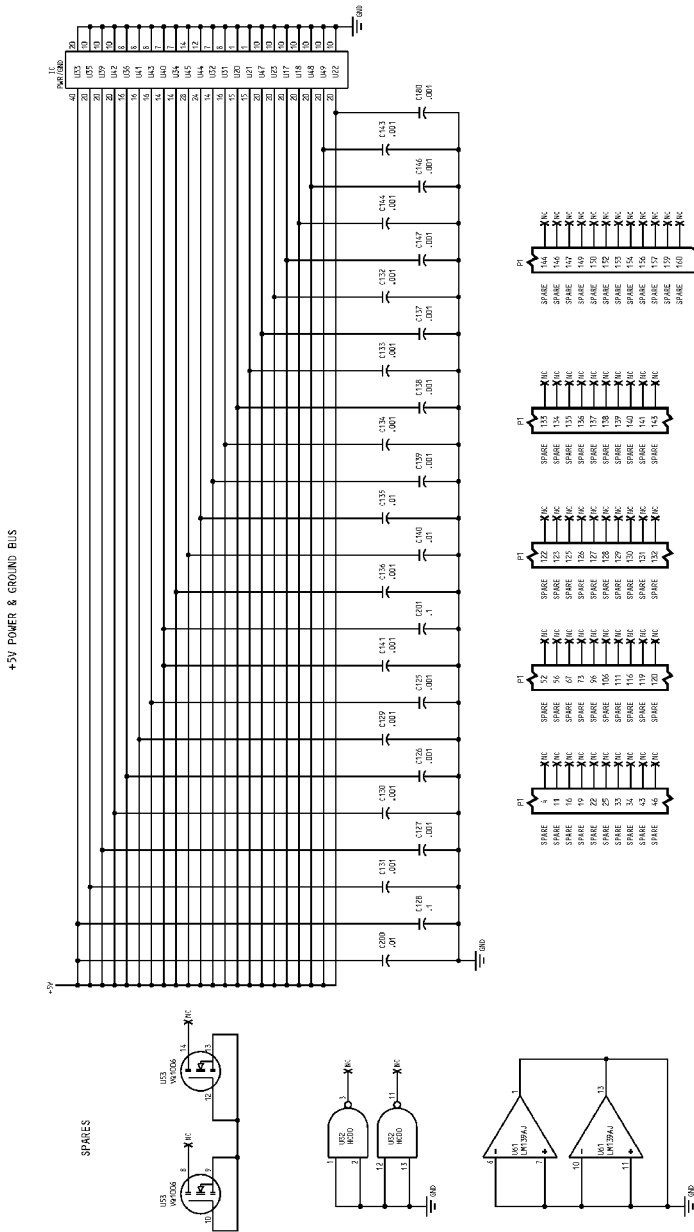
23-27-03

TESTING AND FAULT ISOLATION

Page 153

Mar 01/2007

COMPONENT MAINTENANCE MANUAL



69-73647-1 APID Unit Printed Circuit Assembly
Figure 103 (Sheet 21 of 21)

23-27-03

TESTING AND FAULT ISOLATION

Page 154

Mar 01/2007



COMPONENT MAINTENANCE MANUAL

DISASSEMBLY

(NOT APPLICABLE)

23-27-03

DISASSEMBLY

Page 301

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

CLEANING

(NOT APPLICABLE)

23-27-03

CLEANING
Page 401

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

CHECK

(NOT APPLICABLE)

23-27-03

CHECK
Page 501
Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REPAIR

1. General

CAUTION: THIS ASSEMBLY CONTAINS COMPONENTS WHICH CAN BE DAMAGED FROM ELECTROSTATIC DISCHARGE . REFER TO THE PROCEDURES SHOWN IN SOPM 20-12-02 (HANDLING PROCEDURES FOR ELECTROSTATIC SENSITIVE DEVICES).

- A. All repair may be accomplished with standard industry practices and procedures contained in SOPM 20-11-01 except as follows.
- B. When a new connector P1 (IPL Figure 1, Item 775A) is installed on the APID printed circuit assembly (P/N 69-73647-1), key connector to -A-, -H-, and -I- positions before the installation of the connector.

23-27-03

REPAIR - GENERAL

Page 601

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

ASSEMBLY

(NOT APPLICABLE)

23-27-03

ASSEMBLY

Page 701

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FITS AND CLEARANCES

(NOT APPLICABLE)

23-27-03

FITS AND CLEARANCES

Page 801

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

(NOT APPLICABLE)

23-27-03

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

Page 901

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

ILLUSTRATED PARTS LIST

1. Introduction

- A. The Illustrated Parts List (IPL) contains an illustration and a list of component parts you can repair or replace. The Illustrated Parts Catalog (IPC) shows how to use the Boeing part number system.
- B. This shows how parts are related: The relation of each item to its next higher assembly (NHA) is shown in the NOMENCLATURE column. Use the indenture system that follows:

1	2	3	4	5	6	7
.	Assembly					
.	Attaching parts for assembly					
.	.	Detail parts for assembly				
.	.	Subassembly				
.	.	Attaching parts for subassembly				
.	.	.	Detail parts for subassembly			
.	.	.	Sub-subassembly			
.	.	.	Attaching parts for subassembly			
.	.	.	.	Details parts for sub-subassembly		
						Detail Installation Parts (Included only if installation parts may be sent to the shop as part of assembly)

- C. Each top assembly is given one use code letter (A, B, C, etc.) in the USAGE CODE column. All subsequent component parts in the list can have one or more of the use code letters to show effectivity to top assemblies. A component part without a use code applies to all top assemblies.
- D. An alphabetical letter is added after the item number for optional parts, parts changed by a Service Bulletin, configuration differences (except left-handed and right-handed parts), last engineering releases, and parts added between item numbers in a sequence. The alphabetical letter will not be shown on the illustration for equivalent parts of the same part number.
- E. Color-coded parts are identified with a single digit alpha following the dash number or with "SP" suffix. If the "SP" suffix is used, it represents consolidation of all color codes applicable for a given usage which are not separately listed. Orders for color-coded parts should include the registry number of the airplane for which the parts are ordered.
- F. If a part number is 15 characters long but will not fit in the part number column, the part number will be displayed with a "~" at the end of the line and will be continued on the next line. The "~" denotes that the part number continues on the next line.
- G. Parts changed by a Service Bulletin are shown by PRE SB XXXX and POST SB XXXX added to the NOMENCLATURE column.
- (1) When a new top assembly is added by a Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the top assembly level only. The configuration differences at the detail part level are shown by use code letters.
- (2) When the top assembly part number is not changed by the Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the detail level.
- H. Interchangeable Parts

23-27-03

ILLUSTRATED PARTS LIST

Page 1001

Nov 01/2008



COMPONENT MAINTENANCE MANUAL

Optional (OPT)	The part is optional to and interchangeable with other parts that have the same item number.
Replaces, Replaced by and not interchangeable with (REPLACES, REPLACED BY AND NOT INTCHG/W)	The part replaces and is not interchangeable with the initial part.
Replaces, Replaced by (REPLACES, REPLACED BY)	The part replaces and is interchangeable with, or is an alternative to, the initial part.

VENDOR CODES

Code	Name
00204	TRANSCON TECHNOLOGIES INC. DBA ECI OR ELECTRONIC COILS 53 MAINLINE DRIVE WESTFIELD, MA 01086-1536
00779	TYCO ELECTRONICS CORP 2800 FULLING MILL ROAD PO BOX 3608 MIDDLETOWN, PENNSYLVANIA 17057 FORMERLY AMP INC; FORMERLY V04618 FORMERLY GENICOM COMP V01526
01121	ALLEN-BRADLEY COMPANY 1201 SOUTH 2ND STREET MILWAUKIE, WISCONSIN 53204
01295	TEXAS INSTRUMENTS INC SEMICONDUCTOR GROUP 13500 NORTH CENTRAL EXPRESSWAY PO BOX 655303 DALLAS, TEXAS 75265-5303
03038	LONG-LOK FASTENER CORP 13709 S NORMANDIE AVE GARDENA, CALIFORNIA 90249-2609 FORMERLY TEKLON IN LOS ANGELES CALIFORNIA V07358 FORMERLY WHITTAKER CORP PREC FASTRS V05799
06540	NEW HAVEN MFG CORP, AMATOM ELECT HARDWARE DIV 446 BLAKE STREET NEW HAVEN, CONNECTICUT 06515-1238 FORMERLY MITE CORP IN NEW ROCHELLE, NEW YORK

23-27-03

ILLUSTRATED PARTS LIST

Page 1002

Jul 01/2006



COMPONENT MAINTENANCE MANUAL

Code	Name
06665	ANALOG DEVICES 1500 SPACE PARK DRIVE SANTA CLARA, CALIFORNIA 95050 FORMERLY PRECISION MONOLITHICS INC SUB OF BOURNS INC
07263	FAIRCHILD SEMICONDUCTOR CORP SUB OF SCHLUMBERGER LTD CUPERTINO, CALIFORNIA 95014 LOCATION UNKNOWN TO LOCAL POSTAL AUTHORITIES FORMERLY NATIONAL SEMICONDUCTOR IN MOUNTAIN VIEW, CALIF
07387	BIRTCHEER CORP 50 TECHNOLOGY DRIVE IRVINE, CALIFORNIA 92718 FORMERLY IN LOS ANGELES AND EL MONTE, CALIFORNIA
07933	RAYTHEON CO SEMICONDUCTOR DIV HQ 350 ELLIS STREET MOUNTAIN VIEW, CALIFORNIA 94039-7016
08830	EVANS TOOL AND DIE CO DETROIT, MI 48200 CANCELLED WITHOUT REPLACEMENT RECORD
0FDX0	KYOCERA NW INC 5701 EAST FOURTH PLAIN BLVD VANCOUVER, WASHINGTON 98661 FORMERLY V0998B
11815	CHERRY AEROSPACE FASTENERS DIV OF TEXTRON 1224 EAST WARNER AVENUE PO BOX 2157 SANTA ANA, CALIFORNIA 92707-0157 FORMERLY IN LOS ANGELES, CALIF , FORMERLY CHERRY FASTENERS TOWNSEND DIV OF TEXTRON INC V71087
15653	ALCOA GLOBAL FASTENERS INC DIV KAYNAR PRODUCTS 800 S STATE COLLEGE BLVD FULLERTON, CALIFORNIA 92831-3001 FORMERLY VK6405 MICRODOT AEROSP LTD; FORMERLY KAYNAR TECH FORMERLY FAIRCHILD FASTENERS KAYNAR DIV

23-27-03

ILLUSTRATED PARTS LIST

Page 1003

Nov 01/2006



COMPONENT MAINTENANCE MANUAL

Code	Name
17856	SILICONIX INC 2201 LAURELWOOD ROAD SANTA CLARA, CALIFORNIA 95054-1516
18324	PHILIPS SEMICONDUCTORS INC 811 E ARQUES AVE SUNNYVALE, CALIFORNIA 94088-3409 FORMERLY IN SACRAMENTO, CA; FORMERLY SIGNETICS CORP
19701	NORTH AMERICAN PHILIPS CORP 1440 W INDIANTOWN RD JUPITER, FLORIDA 33458 FORMERLY MEPCO/CENTRALAB, N.AMERICAN PHILLIPS CO.; FORMERLY PHILLIPS COMPNTS; AMERICAN PHILLIPS CO.; FORMERLY IN EL PASO, TX
1ES66	MAXIM INTEGRATED PRODUCTS 120 SAN GABRIEL DRIVE SUNNYVALE, CALIFORNIA 94086
24355	ANALOG DEVICES INC 1 TECHNOLOGY WAY NORWOOD, MASSACHUSETTS 02062-2634
27014	NATIONAL SEMICONDUCTOR CORPORATION 2900 SEMICONDUCTOR DRIVE SANTA CLARA, CALIFORNIA 95051-0606
31433	KEMET ELECTRONICS CORP 2835 KEMET WAY SIMPSONVILLE, SOUTH CAROLINA 39681 FORMERLY UNION CARBIDE CORP, GREENVILLE, S.C.
34333	MICROSEMI CORP INTEGRATED PRODUCTS 11861 WESTERN AVENUE GARDEN GROVE, CALIFORNIA 92841-2119
34371	INTERSIL CORP 2401 PALM BAY ROAD NE PO BOX 883 MELBOURNE, FLORIDA 32905-9176 FORMELRY RCA CORP; HARRIS CORP SEMICONDUCTOR SECTOR FORMERLY V3G472 HARRIS SEMICONDUSTOR

23-27-03

ILLUSTRATED PARTS LIST
Page 1004
Jul 01/2006



COMPONENT MAINTENANCE MANUAL

Code	Name
34649	INTEL CORP 3065 BOWERS AVENUE SANTA CLARA, CALIFORNIA 95051 FORMERLY IN SANTA ANA, CALIFORNIA AND ALOHA, OREGON
34899	FAIR-RITE PRODUCTS GROUP 1 COMMERCIAL ROW PO BOX J WALLKILL, NEW YORK 12589
37964	GENNUM CORP A LINEAR TECHNOLOGY INC CO 970 FRASER DRIVE PO BOX 489 STN A BURLINGTON ONTARIO, CANADA 3Y3 FORMERLY LINEAR TECHNOLOGY INC
46384	PENN ENGINEERING AND MFG CORP OLD EASTON ROAD PO BOX 1000 DANBORO, PENNSYLVANIA 18916 FORMERLY IN DOYLESTOWN, PENNSYLVANIA
48726	UNITRODE INTEGRATED CIRCUITS CORP DIV OF UNITRODE CORP 7 CONTINENTAL BLVD MERRIMACK, NEW HAMPSHIRE 03054
50088	SGS-THOMSON MICROELECTRONICS IND MASTEK CORP 1310 ELECTRONICS DRIVE CARROLLTON, TEXAS 75006-6905 FORMERLY MOSTEK CORP AND THOMSON COMPONENTS
50541	HYPERTRONICS CORP 16 BRENT DRIVE HUDSON, MASSACHUSETTS 01749-2904
51506	ACCURATE SCREW MACHINE CO 10 AUDREY PL FAIRFIELD, NJ 07004-6095
52094	CALMARK CORP 4915 WALNUT GROVE AVENUE SAN GABRIEL, CALIFORNIA 91776-2021

23-27-03

ILLUSTRATED PARTS LIST

Page 1005

Jul 01/2006



COMPONENT MAINTENANCE MANUAL

Code	Name
52828	REPUBLIC FASTENER MFG CORP 1300 RANCHO CONEJO BLVD NEWBURY PARK, CALIFORNIA 91320-1405 FORMERLY IN SYLMAR, CALIFORNIA
54937	DEYOUNG MFG 12920 NORTHEAST 125TH WAY KIRKLAND, WASHINGTON 98034-7716
55104	TRI-STAR ELECTRONICS INC 2201 ROSECRANS AVENUE EL SEGUNDO, CALIFORNIA 90245 FORMERLY IN VENICE, CA; FORMERLY V71771 CORY COMPONENTS
56235	STATE OF THE ART 2470 FOX HILL ROAD STATE COLLEGE, PENNSYLVANIA 16801-3679
56249	SI-TAC CONNECTOR INC 1410 KONA DRIVE COMPTON, CALIFORNIA 90220 FORMERLY IN CLEARWATER, FLORIDA
57400	ELECTRONIC SUPPORT SYSTEMS CORP 880 SIVERT DR WOOD DALE, IL 60191-1209
59124	KOA SPEER ELECTRONICS INC BOLIVAR DRIVE PO BOX 547 BRADFORD, PENNSYLVANIA 16701
59460	PYRAMID PLASTICS INC TOLBER DIV 220 W 5TH ST HOPE, AR 71801-5212
59610	Replaced: [V59610] SOURIAU INC by Code: Name and Address below 09922: SOURIAU USA INC 25 GRUMBACHER DR YORK, PENNSYLVANNIA 17402-9417 FORMERLY FRAMATOME CONNECTORS FRANCE FORMERLY V59610 IN VALENCIA, CALIFORNIA

23-27-03

ILLUSTRATED PARTS LIST

Page 1006

Jul 01/2006



COMPONENT MAINTENANCE MANUAL

Code	Name
59640	SUPERTEX INC 1225 BORDEAUX DRIVE SUNNYVALE, CALIFORNIA 94086
61772	INTERGRATED DEVICE TECHNOLOGY INC 1566 MOFFETT ROAD SALINAS, CALIFORNIA 93905 FORMERLY IN SANTA CLARA, CALIFORNIA
64155	LINEAR TECHNOLOGY CORP 1630 MCCARTHY BLVD. MILPITAS, CALIFORNIA 95035-7417
66958	SGS THOMSON MICROELECTRONICS CORP 1000 EAST BELL ROAD PHOENIX, ARIZONA 85022
71468	ITT CANNON DIV OF ITT CORP 666 EAST DYER ROAD SANTA ANA, CALIFORNIA 92702 FORMERLY CANNON ELECTRIC CO AND ITT CANNON ELECTRIC AND ITT CANNON ELECTRIC DIV OF INTERNATIONAL TELEPHONE CORP FORMERLY IN LOS ANGELES AND FOUNTAIN VALLEY, CALIFORNIA FORMERLY ITT CANNON ELECTRIC SALEM DIV, SALEM, MA V91146
72962	HARVARD INDUSTRIES INC 3 WERNER WAY SUITE 210 LEBANON, NEW JERSEY 08833 FORMERLY ESNA V7A079 FORMERLY ELASTIC STOP NUT IN UNION, NJ
80539	SPS TECHNOLOGIES INC DIV AERPSOACE - SANTA ANA 2701 SOUTH HARBOR BOULEVARD SANTA ANA, CALIFORNIA 92704-5803 FORMERLY NUTT-SHEL DIV OF SPC WESTERN CO V80539 AND STANDARD PRESSED STEEL WESTERN DIV V17279
81349	MILITARY SPECIFICATIONS PROMULGATED BY MILITARY DEPARTMENTS/AGENCIES UNDER AUTHORITY OF DEFENSE STANDARDIZATION MANUAL 4120 3-M

23-27-03

ILLUSTRATED PARTS LIST

Page 1007

Jul 01/2006



COMPONENT MAINTENANCE MANUAL

Code	Name
91506	AUGAT, INCORPORATED 252 DIETSCH BLVD PO BOX 2510 ATTLEBORO, MASSACHUSETTS 02703-2417 FORMERLY AUGAT BROTHERS, INC
91637	VISHAY DALE ELECTRONICS VISHAY AMERICAS INC DBA VISHAY 1122 23RD STREET PO BOX 609 COLUMBUS, NEBRASKA 68602-0609
92215	FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV 3010 W LOMITA BLVD TORRANCE, CALIFORNIA 90505-5102 FORMERLY VOI-SHAN IN CULVER CITY, CALIF
95275	VITRAMON INC BOX 544 BRIDGEPORT, CONNECTICUT 06601-0544
F0323	SOURIAU ET CIE DIV EQUIP INDUSTRIELS DPT EUROPELEC 13 R DU GENERAL GALLIENI 92103 BOULOGNE, BILLANCOURT, FRANCE
F0987	RADIALL DPT SOGIE SA 101 R PHILIBERT HOFFMANN Z I QUEST 93116 ROSNY, SOUS BOIS, FRANCE
U4637	SEAGATE MICROELECTRONICS LTD MACINTOSH ROAD KIRKTON CAMPUS LIVINGSTON EH54 7BW, UK FORMERLY INTEGRATED POWER SEMICONDUCTOR & IN SCOTLAND

23-27-03

ILLUSTRATED PARTS LIST

Page 1008

Jul 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR INDEX

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
150	R1206X104K2B04	1-460
A1	69-73647-1	1-230
A1	69-73647-2	1-230A
A3	69-73648-1	1-5
C1-C90	R1206X104K2B04	1-460
C104	M39014-02-1419	1-405
C105	R1206X103K2B04	1-455
C106	R1206X103K2B04	1-455
C107	R1206C330K2B04	1-470
C108	R1206C330K2B04	1-470
C109-C111	R1206X104K2B04	1-460
C112	R1206C511K2B04	1-485
C113	R1206C511K2B04	1-485
C114-C117	R1209X154K2P04	1-490
C118-C121	R1206X104K2B04	1-460
C125-C127	R1206C102K2B04	1-450
C128	R1206X104K2B04	1-460
C129-C134	R1206C102K2B04	1-450
C135	R1206X103K2B04	1-455
C136-C138	R1206C102K2B04	1-450
C140	R1206X103K2B04	1-455
C141	R1206C102K2B04	1-450
C143	R1206C102K2B04	1-450
C144	R1206C102K2B04	1-450
C146	R1206C102K2B04	1-450
C147	R1206C102K2B04	1-450
C148	M39014-05-2319	1-410
C149	M39014-05-2319	1-410
C151	M39006-22-0600	1-380
C152	M39014-02-1350	1-395
C153	R1206X104K2B04	1-460
C154	R1206X222K2B04	1-465
C155	R1206C331K2B04	1-475
C156	R1206C101K2B04	1-445

23-27-03

ILLUSTRATED PARTS LIST

Page 1009

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
C157-C161	M39006-22-0600	1-380
C162	M39014-02-1350	1-395
C163	M39006-22-0620	1-385
C164	T330C106K035AS	1-415
C165	M39014-02-1332	1-390
C166	M39006-22-0600	1-380
C167	T330D226K035AS	1-430
C168	R1206X104K2B04	1-460
C169	T330D476K025AS	1-435
C170	T330D226K035AS	1-430
C171	R1206X104K2B04	1-460
C172	T330D476K025AS	1-435
C173	T330C336K010AS	1-420
C174	R1206X104K2B04	1-460
C175	T330D157K010AS	1-425
C177	R1206X104K2B04	1-460
C178	R1206C471K2B04	1-480
C179	M39014-02-1360	1-400
C180	R1206C102K2B04	1-450
C200	R1206X103K2B04	1-455
C201	R1206X104K2B04	1-460
C91-C94	R1206C100K2B04	1-440
C95-C101	R1206X104K2B04	1-460
CR1-CR72	JANTX1N4148-1	1-690
CR102	JANTX1N5811	1-725
CR103	JANTX1N5806	1-715
CR105	LT1004MH1-2883B	1-730
CR75	JANTX1N5711	1-710
CR76	JANTX1N3595	1-680
CR77	JANTX1N5556	1-700
CR78	JANTX1N3595	1-680
CR79	JANTX1N5556	1-700
CR80	JANTX1N5552	1-695
CR81	JANTX1N3595	1-680
CR82	JANTX1N5556	1-700
CR83	JANTX1N5552	1-695

23-27-03

ILLUSTRATED PARTS LIST

Page 1010

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
CR84	JANTX1N3595	1-680
CR85	JANTX1N5556	1-700
CR86	JANTX1N5552	1-695
CR87	JANTX1N5552	1-695
CR95	JANTX1N5552	1-695
CR96	JANTX1N5811	1-725
CR97	JANTX1N6056A	1-720
CR98	JANTX1N4112	1-685
CR99-CR101	JANTX1N5615	1-705
DS1	JTXM19500-51902	1-735
DS2	JTXM19500-52002	1-740
E1-E3	SE12XC11	1-780
L1	900-12646-1	1-245A
L1	1811PA160-3B7	1-250A
L2-L4	2743002111	1-240
L5	2673000701	1-235
P1	BCREFA0357	1-775A
Q1-Q4	H00212-2	1-755A
Q5	JANTX2N6798	1-750
Q6	JANTX2N2222A	1-745
R1-R8	BCK4872FB	1-635A
R100	BCK2003FB	1-575A
R101	BCK4872FB	1-635A
R102	BCK2003FB	1-575A
R103	BCK4872FB	1-635A
R104	BCK2003FB	1-575A
R105	BCK4872FB	1-635A
R106	BCK2003FB	1-575A
R107	BCK4872FB	1-635A
R108	BCK2003FB	1-575A
R109	BCK4872FB	1-635A
R110	BCK2003FB	1-575A
R111	BCK4872FB	1-635A
R112	BCK2003FB	1-575A
R113	BCK4872FB	1-635A
R114	BCK2003FB	1-575A

23-27-03

ILLUSTRATED PARTS LIST

Page 1011

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
R115	BCK4872FB	1-635A
R116	BCK2003FB	1-575A
R117	BCK4872FB	1-635A
R118	BCK2003FB	1-575A
R119	BCK4872FB	1-635A
R120	BCK2003FB	1-575A
R121	BCK4872FB	1-635A
R122	BCK2003FB	1-575A
R123	BCK4872FB	1-635A
R124	BCK2003FB	1-575A
R125	BCK4872FB	1-635A
R126	BCK2003FB	1-575A
R127	BCK4872FB	1-635A
R128	BCK2003FB	1-575A
R129	BCK1003FB	1-540
R130	BCK2003FB	1-575A
R131	BCK1003FB	1-540
R132	BCK2003FB	1-575A
R133	BCK1003FB	1-540
R134	BCK2003FB	1-575A
R135	BCK1003FB	1-540
R136	BCK2003FB	1-575A
R137	BCK1003FB	1-540
R138	BCK2003FB	1-575A
R139	BCK1003FB	1-540
R140	BCK2003FB	1-575A
R141	BCK1003FB	1-540
R142	BCK2003FB	1-575A
R143	BCK1003FB	1-540
R144	BCK2003FB	1-575A
R145	BCK1003FB	1-540
R146	BCK2003FB	1-575A
R147	BCK1003FB	1-540
R148	BCK2003FB	1-575A
R149	BCK1003FB	1-540
R150	BCK2003FB	1-575A

23-27-03

ILLUSTRATED PARTS LIST

Page 1012

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
R151	BCK1003FB	1-540
R152	BCK2003FB	1-575A
R153	BCK1003FB	1-540
R154	BCK2003FB	1-575A
R155	BCK1003FB	1-540
R156	BCK2003FB	1-575A
R157	BCK1003FB	1-540
R158	BCK2003FB	1-575A
R159	BCK1003FB	1-540
R160	BCK2003FB	1-575A
R161	BCK4752FB	1-630A
R162	BCK4752FB	1-630A
R163	BCK6043FB	1-660A
R164	BCK1003FB	1-540
R165	BCK6041FB	1-655A
R166	BCK5620FB	1-650A
R167	BCK6041FB	1-655A
R168	BCK1003FB	1-540
R169	BCK1003FB	1-540
R17	BCK4872FB	1-635A
R170	BCK6043FB	1-660A
R171	BCK1003FB	1-540
R172	BCK6041FB	1-655A
R173	BCK5620FB	1-650A
R174	BCK6041FB	1-655A
R175	BCK1003FB	1-540
R176	BCK1502FB	1-560A
R177	BCK4752FB	1-630A
R178	BCK1502FB	1-560A
R179	BCK4752FB	1-630A
R18	BCK2003FB	1-575A
R180	BCK4752FB	1-630A
R181	BCK4752FB	1-630A
R182	BCK6043FB	1-660A
R183	BCK1003FB	1-540
R184	BCK6041FB	1-655A

23-27-03

ILLUSTRATED PARTS LIST

Page 1013

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
R185	BCK5620FB	1-650A
R186	BCK6041FB	1-655A
R187	BCK1003FB	1-540
R188	BCK1003FB	1-540
R189	BCK6043FB	1-660A
R19	BCK4872FB	1-635A
R190	BCK1003FB	1-540
R191	BCK6041FB	1-655A
R192	BCK5620FB	1-650A
R193	BCK6041FB	1-655A
R194	BCK1003FB	1-540
R195	BCK1502FB	1-560A
R196	BCK4752FB	1-630A
R197	BCK1502FB	1-560A
R198	BCK4752FB	1-630A
R199	BCK15R0FB	1-555A
R20	BCK2003FB	1-575A
R206	BCK3093FB	1-605A
R207	BCK1002FB	1-535
R208	BCK1003FB	1-540
R209	BCK3011FB	1-600A
R21	BCK4872FB	1-635A
R210	BCK3011FB	1-600A
R211	BCK1002FB	1-535
R212	BCK3482FB	1-615A
R213	BCK1002FB	1-535
R214	BCK3482FB	1-615A
R215	BCK1002FB	1-535
R216	BCK4993FB	1-640A
R217	BCK6192FB	1-665A
R218	BCK3482FB	1-615A
R219	BCK1002FB	1-535
R22	BCK2003FB	1-575A
R220	BCK4993FB	1-640A
R221	BCK6192FB	1-665A
R222	BCK3482FB	1-615A

23-27-03

ILLUSTRATED PARTS LIST

Page 1014

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
R223	BCK4993FB	1-640A
R224	BCK6192FB	1-665A
R225	BCK4993FB	1-640A
R226	BCK6192FB	1-665A
R227	BCK2613FB	1-590
R228	BCK1002FB	1-535
R229	BCK2613FB	1-590
R23	BCK4872FB	1-635A
R230	BCK9092FB	1-675A
R231	RWR81S4990FR	1-520
R232	RWR81S1780FR	1-505
R233	BCK1002FB	1-535
R234	RWR81S75R0FR	1-515
R235-R237	BCK1001FB	1-530A
R238	BCK2741FB	1-595A
R239	CRCW1206-10R0FT	1-525A
R24	BCK2003FB	1-575A
R240	BCK2212FB	1-580A
R241	BCK1001FB	1-530A
R242	RWR81SR499FR	1-500
R243	BCK1503FB	1-565A
R244	RWR81S2740FR	1-510
R245	RNC55H1002BS	1-495
R246	RNC55H1002BS	1-495
R247	BCK1022FB	1-550A
R248	BCK3831FB	1-620
R25	BCK4872FB	1-635A
R257	BCK2001FB	1-570A
R258	BCK4022FB	1-625
R259	BCK2491FB	1-585A
R26	BCK2003FB	1-575A
R262	BCK5111FB	1-645A
R263	BCK6811FB	1-670A
R264	BCK1004FB	1-545
R265	BCK3321FB	1-610A
R266	BCK1002FB	1-535

23-27-03

ILLUSTRATED PARTS LIST

Page 1015

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
R267	BCK1002FB	1-535
R27	BCK4872FB	1-635A
R270-R274	BCK1002FB	1-535
R28	BCK2003FB	1-575A
R29	BCK4872FB	1-635A
R30	BCK2003FB	1-575A
R300	BCK1002FB	1-535
R31	BCK4872FB	1-635A
R32	BCK2003FB	1-575A
R33	BCK4872FB	1-635A
R34	BCK2003FB	1-575A
R35	BCK4872FB	1-635A
R36	BCK2003FB	1-575A
R37	BCK4872FB	1-635A
R38	BCK2003FB	1-575A
R39	BCK4872FB	1-635A
R40	BCK2003FB	1-575A
R41	BCK4872FB	1-635A
R42	BCK2003FB	1-575A
R43	BCK4872FB	1-635A
R44	BCK2003FB	1-575A
R45	BCK4872FB	1-635A
R46	BCK2003FB	1-575A
R47	BCK4872FB	1-635A
R48	BCK2003FB	1-575A
R49	BCK4872FB	1-635A
R50	BCK2003FB	1-575A
R51	BCK4872FB	1-635A
R52	BCK2003FB	1-575A
R53	BCK4872FB	1-635A
R54	BCK2003FB	1-575A
R55	BCK4872FB	1-635A
R56	BCK2003FB	1-575A
R57	BCK4872FB	1-635A
R58	BCK2003FB	1-575A
R59	BCK4872FB	1-635A

23-27-03

ILLUSTRATED PARTS LIST

Page 1016

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
R60	BCK2003FB	1-575A
R61	BCK4872FB	1-635A
R62	BCK2003FB	1-575A
R63	BCK4872FB	1-635A
R64	BCK2003FB	1-575A
R65	BCK4872FB	1-635A
R66	BCK2003FB	1-575A
R67	BCK4872FB	1-635A
R68	BCK2003FB	1-575A
R69	BCK4872FB	1-635A
R70	BCK2003FB	1-575A
R71	BCK4872FB	1-635A
R72	BCK2003FB	1-575A
R73	BCK4872FB	1-635A
R74	BCK2003FB	1-575A
R75	BCK4872FB	1-635A
R76	BCK2003FB	1-575A
R77	BCK4872FB	1-635A
R78	BCK2003FB	1-575A
R79	BCK4872FB	1-635A
R80	BCK2003FB	1-575A
R81	BCK4872FB	1-635A
R82	BCK2003FB	1-575A
R83	BCK4872FB	1-635A
R84	BCK2003FB	1-575A
R85	BCK4872FB	1-635A
R86	BCK2003FB	1-575A
R87	BCK4872FB	1-635A
R88	BCK2003FB	1-575A
R89	BCK4872FB	1-635A
R9-R16	BCK2003FB	1-575A
R90	BCK2003FB	1-575A
R91	BCK4872FB	1-635A
R92	BCK2003FB	1-575A
R93	BCK4872FB	1-635A
R94	BCK2003FB	1-575A

23-27-03

ILLUSTRATED PARTS LIST

Page 1017

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
R95	BCK4872FB	1-635A
R96	BCK2003FB	1-575A
R97	BCK4872FB	1-635A
R98	BCK2003FB	1-575A
R99	BCK4872FB	1-635A
U1	M8340106M1333FC	1-375
U10	900-12471-272	1-275A
U11	M8340106M1333FC	1-375
U12	900-12471-272	1-275A
U13	M8340106M1333FC	1-375
U14	900-12471-272	1-275A
U15	M8340106M1333FC	1-375
U16	900-12471-272	1-275A
U17	900-12471-034	1-290A
U18	900-12471-034	1-290A
U19	LM139ABCA	1-335
U2	900-12471-272	1-275A
U20	MKXHC0IFP	1-310A
U21	MKXHC0IFP	1-310A
U22	900-12471-040	1-285A
U23	900-12471-040	1-285A
U24	DG508AAK883	1-340
U25	900-12471-272	1-275A
U26	LF156AH883C	1-320A
U27	AD573SD883B	1-360
U3	M8340106M1333FC	1-375
U31	900-12471-098	1-280A
U32	900-12471-001	1-305A
U33	MD80C31BHB	1-315A
U34	900-12471-013	1-300A
U35	900-12471-804	1-255A
U36	900-12471-018	1-295A
U39	900-12471-803	1-260A
U4	900-12471-272	1-275A
U40	900-12471-801	1-270A
U41	900-12471-018	1-295A

23-27-03

ILLUSTRATED PARTS LIST

Page 1018

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
U42	900-12471-804	1-255A
U43	900-12471-802	1-265A
U44	HM1-65162C883	1-350A
U45	285U0262-4	1-355
U46	HS1-3182-8	1-365
U47-U49	900-12471-040	1-285A
U5	M8340106M1333FC	1-375
U50	DG509AAK883	1-345
U51	M8340105M4990FG	1-370
U52	M8340105M4990FG	1-370
U53	H00202-7	1-330A
U58	IP1843J883B	1-325A
U6	900-12471-272	1-275A
U61	LM139ABCA	1-335
U7	M8340106M1333FC	1-375
U8	900-12471-272	1-275A
U9	M8340106M1333FC	1-375
XU33	540AG37D	1-770
XU45	528AG37D	1-765
Y1	BCREFA109190	1-760A

23-27-03

ILLUSTRATED PARTS LIST

Page 1019

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

NUMERICAL INDEX

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
031-1352-002		1	45	120
10225A0632-2		1	180	1
1130HSS1220-12		1	30	4
12065A101KZT1AV		1	445	1
12065A102KZT1AV		1	450	18
12065A331KZT1AV		1	475	1
12065A471KZT1AV		1	480	1
12065C103KHT1AV		1	455	5
12065C104KHT1AV		1	460	112
12065C222KHT1AV		1	465	1
139DMQB		1	335	2
1811PA160-3B7		1	250A	1
211431-6		1	45	120
2673000701		1	235	1
2743002111		1	240	3
280T1020-016		1	315A	1
280T1020-542		1	335	2
280T1020-561		1	320A	1
280T1020-565		1	325A	1
280T1020-570		1	330A	1
280T1020-715		1	340	1
280T1020-716		1	345	1
280T1020-833		1	350A	1
285T1148-11		1	150	1
285T1148-8		1	155	1
285T1148-9		1	160	1
285U0160-2		1	165	1
285U0160-3		1	90	1
285U0168-10		1	105	1
285U0168-11		1	170	1
285U0168-12		1	200	1
285U0168-13		1	800	1
285U0168-2		1	110	1
285U0168-3		1	115	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1020

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
285U0168-4		1	135	1
285U0168-5		1	140	1
285U0168-6		1	75	1
285U0168-9		1	190	1
285U0176-2		1	40A	1
285U0176-7		1	85	1
285U0262-4		1	355	1
318-2203-801		1	45	120
323989		1	60A	1
528AG37D		1	765	1
540AG37D		1	770	1
620362		1	45	120
65-52823-1		1	1	RF
69-73647-1		1	230	1
69-73647-2		1	230A	1
69-73648-1		1	5	1
7009A101KXAAT		1	445	1
7009A102KXAAT		1	450	18
7009A331KXAAT		1	475	1
7009A471KXAAT		1	480	1
7009Y103KXAAT		1	455	5
7009Y104KXAAT		1	460	112
7009Y222KXAAT		1	465	1
783-750SS12		1	70	4
		1	195	2
80C31BHBQA		1	315A	1
8660-560		1	45	120
		1	45	120
88-125		1	820	1
900-12143-2		1	310A	2
900-12471-001		1	305A	1
900-12471-013		1	300A	1
900-12471-018		1	295A	2
900-12471-034		1	290A	2
900-12471-040		1	285A	5

23-27-03

ILLUSTRATED PARTS LIST

Page 1021

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
900-12471-098		1	280A	1
900-12471-272		1	275A	9
900-12471-801		1	270A	1
900-12471-802		1	265A	1
900-12471-803		1	260A	1
900-12471-804		1	255A	2
900-12589-3		1	250A	1
900-12646-1		1	245A	1
		1	245A	1
		1	245A	1
900-14050-10095		1	440	4
900-14050-10195		1	445	1
900-14050-10295		1	450	18
900-14050-10395		1	455	5
900-14050-10495		1	460	112
900-14050-22295		1	465	1
900-14050-33095		1	470	2
900-14050-33195		1	475	1
900-14050-47195		1	480	1
900-14050-51195		1	485	2
900-14051-15495		1	490	4
900-14052-1001		1	530A	4
900-14052-1002		1	535	15
900-14052-1003		1	540	27
900-14052-1004		1	545	1
900-14052-1022		1	550A	1
900-14052-10R0		1	525A	1
900-14052-1502		1	560A	4
900-14052-1503		1	565A	1
900-14052-15R0		1	555A	1
900-14052-2001		1	570A	1
900-14052-2003		1	575A	80
900-14052-2212		1	580A	1
900-14052-2491		1	585A	1
900-14052-2613		1	590	2

23-27-03

ILLUSTRATED PARTS LIST

Page 1022

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
900-14052-2741		1	595A	1
900-14052-3011		1	600A	2
900-14052-3093		1	605A	1
900-14052-3321		1	610A	1
900-14052-3482		1	615A	4
900-14052-3831		1	620	1
900-14052-4022		1	625	1
900-14052-4752		1	630A	8
900-14052-4872		1	635A	64
900-14052-4993		1	640A	4
900-14052-5111		1	645A	1
900-14052-5620		1	650A	4
900-14052-6041		1	655A	8
900-14052-6043		1	660A	4
900-14052-6192		1	665A	4
900-14052-6811		1	670A	1
900-14052-9092		1	675A	1
900-14112-1		1	775A	1
900-14112-7		1	10B	1
900-70002-10298		1	335	2
906-30012-1		1	830	1
906-30012-6		1	830A	1
906-30015-1		1	35	1
96-40		1	805	1
97-010SS12		1	25	AR
9C12063A1001FKRB		1	530A	4
9C12063A1001FKRT		1	530A	4
9C12063A1002FKRB		1	535	15
9C12063A1002FKRT		1	535	15
9C12063A1003FKRB		1	540	27
9C12063A1003FKRT		1	540	27
9C12063A1004FKRB		1	545	1
9C12063A1004FKRT		1	545	1
9C12063A1022FKRB		1	550A	1
9C12063A1022FKRT		1	550A	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1023

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
9C12063A10R0FKRB		1	525A	1
9C12063A10R0FKRT		1	525A	1
9C12063A1502FKRB		1	560A	4
9C12063A1502FKRT		1	560A	4
9C12063A1503FKRB		1	565A	1
9C12063A1503FKRT		1	565A	1
9C12063A15R0FKRB		1	555A	1
9C12063A15R0FKRT		1	555A	1
9C12063A2001FKRB		1	570A	1
9C12063A2001FKRT		1	570A	1
9C12063A2003FKRB		1	575A	80
9C12063A2003FKRT		1	575A	80
9C12063A2212FFKRB		1	580A	1
9C12063A2212FKRT		1	580A	1
9C12063A2491FKRB		1	585A	1
9C12063A2491FKRT		1	585A	1
9C12063A2613FKRB		1	590	2
9C12063A2613FKRT		1	590	2
9C12063A2741FKRB		1	595A	1
9C12063A2741FKRT		1	595A	1
9C12063A3011FKRB		1	600A	2
9C12063A3011FKRT		1	600A	2
9C12063A3093FKRB		1	605A	1
9C12063A3093FKRT		1	605A	1
9C12063A3321FKRB		1	610A	1
9C12063A3321FKRT		1	610A	1
9C12063A3482FKRB		1	615A	4
9C12063A3482FKRT		1	615A	4
9C12063A3831FKRB		1	620	1
9C12063A3831FKRT		1	620	1
9C12063A4022FKRB		1	625	1
9C12063A4022FKRT		1	625	1
9C12063A4752FKRB		1	630A	8
9C12063A4752FKRT		1	630A	8
9C12063A4872FKRB		1	635A	64

23-27-03

ILLUSTRATED PARTS LIST

Page 1024

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
9C12063A4872FKRT		1	635A	64
9C12063A4993FKRB		1	640A	4
9C12063A4993FKRT		1	640A	4
9C12063A5111FKFRB		1	645A	1
9C12063A5111FKRT		1	645A	1
9C12063A5620FKRB		1	650A	4
9C12063A5620FKRT		1	650A	4
9C12063A6041FKRB		1	655A	8
9C12063A6041FKRT		1	655A	8
9C12063A6043FKRB		1	660A	4
9C12063A6043FKRT		1	660A	4
9C12063A6192FKRB		1	665A	4
9C12063A6192FKRT		1	665A	4
9C12063A6811FKRB		1	670A	1
9C12063A6811FKRT		1	670A	1
9C12063A9092FKRB		1	675A	1
9C12063A9092FKRT		1	675A	1
AD573SD883B		1	360	1
AN960-8		1	55	1
AN960D8		1	50	1
BAC27DEX5851		1	215	1
BAC27DEX5864		1	220	1
BAC27DEX5865		1	225	1
BAC27TEX1486		1	840	1
BAC27TEX3327		1	205	1
		1	210	1
BACC30K		1	790	2
BACC47EW23		1	45	120
BACN10JC04		1	805	1
BACR15BA2A		1	825	4
BACR15BA3A		1	795A	2
BACR15BA3D		1	145	4
		1	185	4
BACR15BA5D		1	95	2
BACT12S13		1	60A	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1025

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
BACW10P324TF		1	785	2
BCK1001FB		1	530A	4
BCK1001FK		1	530A	4
BCK1002FB		1	535	15
BCK1002FT		1	535	15
BCK1003FB		1	540	27
BCK1003FK		1	540	27
BCK1004FB		1	545	1
BCK1004FK		1	545	1
BCK1022FB		1	550A	1
BCK1022FK		1	550A	1
BCK1502FB		1	560A	4
BCK1502FK		1	560A	4
BCK1503FB		1	565A	1
BCK1503FK		1	565A	1
BCK15R0FB		1	555A	1
BCK15R0FX		1	555A	1
BCK2001FB		1	570A	1
BCK2001FK		1	570A	1
BCK2003FB		1	575A	80
BCK2003FK		1	575A	80
BCK2212FB		1	580A	1
BCK2212FK		1	580A	1
BCK2491FB		1	585A	1
BCK2491FK		1	585A	1
BCK2613FB		1	590	2
BCK2613FK		1	590	2
BCK2741FB		1	595A	1
BCK2741FK		1	595A	1
BCK3011FB		1	600A	2
BCK3011FK		1	600A	2
BCK3093FB		1	605A	1
BCK3093FK		1	605A	1
BCK3321FB		1	610A	1
BCK3321FK		1	610A	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1026

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
BCK3482FB		1	615A	4
BCK3482FK		1	615A	4
BCK3831FB		1	620	1
BCK3831FK		1	620	1
BCK4022FB		1	625	1
BCK4022FK		1	625	1
BCK4752FB		1	630A	8
BCK4752FK		1	630A	8
BCK4872FB		1	635A	64
BCK4872FK		1	635A	64
BCK4993FB		1	640A	4
BCK4993FK		1	640A	4
BCK5111FB		1	645A	1
BCK5111FK		1	645A	1
BCK5620FB		1	650A	4
BCK5620FK		1	650A	4
BCK6041FB		1	655A	8
BCK6041FK		1	655A	8
BCK6043FB		1	660A	4
BCK6043FK		1	660A	4
BCK6192FB		1	665A	4
BCK6192FK		1	665A	4
BCK6811FB		1	670A	1
BCK6811FK		1	670A	1
BCK9092FB		1	675A	1
BCK9092FK		1	675A	1
BCREF107076		1	10B	1
BCREFA0357		1	775A	1
BCREFA0358		1	775A	1
BCREFA109190		1	760A	1
BCREFA1443		1	10B	1
BKAF1-68100-24		1	40	1
BRH10A04		1	805	1
C12066CPX1503F10		1	565A	1
C1206CPA3482F10		1	615A	4

23-27-03

ILLUSTRATED PARTS LIST

Page 1027

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
C1206CPX1001F10		1	530A	4
C1206CPX1002F10		1	535	15
C1206CPX1003F10		1	540	27
C1206CPX1004F10		1	545	1
C1206CPX1022F10		1	550A	1
C1206CPX10R0F10		1	525A	1
C1206CPX1502F10		1	560A	4
C1206CPX15R0F10		1	555A	1
C1206CPX2001F10		1	570A	1
C1206CPX2003F10		1	575A	80
C1206CPX2212F10		1	580A	1
C1206CPX2491F10		1	585A	1
C1206CPX2613F10		1	590	2
C1206CPX2741F10		1	595A	1
C1206CPX3011F10		1	600A	2
C1206CPX3093F10		1	605A	1
C1206CPX3321F10		1	610A	1
C1206CPX3831F10		1	620	1
C1206CPX4022F10		1	625	1
C1206CPX4752F10		1	630A	8
C1206CPX4872F10		1	635A	64
C1206CPX4993F10		1	640A	4
C1206CPX5111F10		1	645A	1
C1206CPX5620F10		1	650A	4
C1206CPX6041F10		1	655A	8
C1206CPX6043F10		1	660A	4
C1206CPX6192F10		1	665A	4
C1206CPX6811F10		1	670A	1
C1206CPX9092F10		1	675A	1
CR64U12-000000MHZ		1	760A	1
CRCW1206-1001FB		1	530A	4
CRCW1206-1001FT		1	530A	4
CRCW1206-1002FB		1	535	15
CRCW1206-1002FT		1	535	15
CRCW1206-1003FB		1	540	27

23-27-03

ILLUSTRATED PARTS LIST

Page 1028

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
CRCW1206-1003FT		1	540	27
CRCW1206-1004FB		1	545	1
CRCW1206-1004FT		1	545	1
CRCW1206-1022FB		1	550A	1
CRCW1206-1022FT		1	550A	1
CRCW1206-10R0FB		1	525A	1
CRCW1206-10R0FT		1	525A	1
CRCW1206-1502FB		1	560A	4
CRCW1206-1502FT		1	560A	4
CRCW1206-1503FB		1	565A	1
CRCW1206-1503FT		1	565A	1
CRCW1206-15R0FB		1	555A	1
CRCW1206-15R0FT		1	555A	1
CRCW1206-2001FB		1	570A	1
CRCW1206-2001FT		1	570A	1
CRCW1206-2003FB		1	575A	80
CRCW1206-2003FT		1	575A	80
CRCW1206-2212FB		1	580A	1
CRCW1206-2212FT		1	580A	1
CRCW1206-2491FB		1	585A	1
CRCW1206-2491FT		1	585A	1
CRCW1206-2613FB		1	590	2
CRCW1206-2613FT		1	590	2
CRCW1206-2741FB		1	595A	1
CRCW1206-2741FT		1	595A	1
CRCW1206-3011FB		1	600A	2
CRCW1206-3011FT		1	600A	2
CRCW1206-3093FB		1	605A	1
CRCW1206-3093FT		1	605A	1
CRCW1206-3321FB		1	610A	1
CRCW1206-3321FT		1	610A	1
CRCW1206-3482FB		1	615A	4
CRCW1206-3482FT		1	615A	4
CRCW1206-3831FB		1	620	1
CRCW1206-3831FT		1	620	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1029

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
CRCW1206-4022FB		1	625	1
CRCW1206-4022FT		1	625	1
CRCW1206-4752FB		1	630A	8
CRCW1206-4752FT		1	630A	8
CRCW1206-4872FB		1	635A	64
CRCW1206-4872FT		1	635A	64
CRCW1206-4993FB		1	640A	4
CRCW1206-4993FT		1	640A	4
CRCW1206-5111FB		1	645A	1
CRCW1206-5111FT		1	645A	1
CRCW1206-5620FB		1	650A	4
CRCW1206-5620FT		1	650A	4
CRCW1206-6041FB		1	655A	8
CRCW1206-6041FT		1	655A	8
CRCW1206-6043FB		1	660A	4
CRCW1206-6043FT		1	660A	4
CRCW1206-6192FB		1	665A	4
CRCW1206-6192FT		1	665A	4
CRCW1206-6811FB		1	670A	1
CRCW1206-6811FT		1	670A	1
CRCW1206-9092FB		1	675A	1
CRCW1206-9092FT		1	675A	1
DG508AAK883		1	340	1
		1	340	1
DG508AAK883B		1	340	1
		1	340	1
DG508AAK883C		1	340	1
		1	340	1
DG509AAK883		1	345	1
		1	345	1
DG509AAK883B		1	345	1
		1	345	1
DG509AAK883C		1	345	1
		1	345	1
H00202-7		1	330A	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1030

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
H00212-2		1	755A	4
H10-04BAC		1	805	1
HI10508883		1	340	1
HI10508883B		1	340	1
HI10508883C		1	340	1
HI10509883		1	345	1
HI10509883B		1	345	1
HI10509883C		1	345	1
HM1-65162C883		1	350A	1
HM1-65162C883B		1	350A	1
HM1-65162C883BC		1	350A	1
HM1-65162C883C		1	350A	1
HPF160UFXL1322BEC		1	10B	1
HPF160UMBK0320BEC		1	775A	1
HS1-3182-8		1	365	1
IDT6116LA90DB		1	350A	1
IP1843J883		1	325A	1
IP1843J883B		1	325A	1
IP1843J883C		1	325A	1
JANTX1N3595		1	680	4
JANTX1N4112		1	685	1
JANTX1N4148-1		1	690	72
JANTX1N5552		1	695	5
JANTX1N5556		1	700	4
JANTX1N5615		1	705	3
JANTX1N5711		1	710	1
JANTX1N5806		1	715	1
JANTX1N5811		1	725	2
JANTX1N6056A		1	720	1
JANTX2N2222A		1	745	1
JANTX2N6798		1	750	1
JTXM19500-51902		1	735	1
JTXM19500-52002		1	740	1
LF156AH883		1	320A	1
		1	320A	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1031

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
LF156AH8838		1	320A	1
LF156AH883B		1	320A	1
		1	320A	1
LF156AH883BC		1	320A	1
		1	320A	1
LF156AH883C		1	320A	1
		1	320A	1
LF156AHB8		1	320A	1
LF156AHBB		1	320A	1
LF156AHBC		1	320A	1
LM139ABCA		1	335	2
LM139AJ883		1	335	2
LM139AJ883B		1	335	2
LM139AJB		1	335	2
LT1004MH1-2883B		1	730	1
M39006-22-0600		1	380	7
M39006-22-0620		1	385	1
M39014-02-1332		1	390	1
M39014-02-1350		1	395	2
M39014-02-1360		1	400	1
M39014-02-1419		1	405	1
M39014-05-2319		1	410	2
M8340105M4990FG		1	370	2
M8340106M1333FC		1	375	8
MD80C31B		1	315A	1
MD80C31BHB		1	315A	1
MKXHC0IFP		1	310A	2
MS21042L08		1	65	1
MS21209C0415		1	125	10
MS21209C0615		1	130	3
NAS514P440-4P		1	120	20
NAS600-6		1	815	1
NAS620-4		1	810	2
NAS620A6L		1	20	8
NAS622T3		1	100	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1032

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
NS202101-40		1	805	1
PL1801-06-7		1	15A	8
		1	175A	2
PM139AY883		1	335	2
PM156AJ883		1	320A	1
PM156AJ883B		1	320A	1
PM156AJ883BC		1	320A	1
PM156AJ883C		1	320A	1
R1206C100K2B04		1	440	4
R1206C101K2B04		1	445	1
R1206C102K2B04		1	450	18
R1206C330K2B04		1	470	2
R1206C331K2B04		1	475	1
R1206C471K2B04		1	480	1
R1206C511K2B04		1	485	2
R1206X103K2B04		1	455	5
R1206X104K2B04		1	460	112
R1206X222K2B04		1	465	1
R1209X154K2P04		1	490	4
RK73H2BB1001F		1	530A	4
RK73H2BB1002F		1	535	15
RK73H2BB1004F		1	545	1
RK73H2BB1022		1	550A	1
RK73H2BB10R0F		1	525A	1
RK73H2BB1502F		1	560A	4
RK73H2BB1503F		1	565A	1
RK73H2BB15R0F		1	555A	1
RK73H2BB2001F		1	570A	1
RK73H2BB2003F		1	575A	80
RK73H2BB2212F		1	580A	1
RK73H2BB2491F		1	585A	1
RK73H2BB2613F		1	590	2
RK73H2BB2741F		1	595A	1
RK73H2BB3011F		1	600A	2
RK73H2BB3093F		1	605A	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1033

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
RK73H2BB3321F		1	610A	1
RK73H2BB3482F		1	615A	4
RK73H2BB3831F		1	620	1
RK73H2BB4022F		1	625	1
RK73H2BB4752F		1	630A	8
RK73H2BB4872F		1	635A	64
RK73H2BB4993F		1	640A	4
RK73H2BB5111F		1	645A	1
RK73H2BB5620F		1	650A	4
RK73H2BB6041F		1	655A	8
RK73H2BB6043F		1	660A	4
RK73H2BB6192F		1	665A	4
RK73H2BB6811F		1	670A	1
RK73H2BB9092F		1	675A	1
RK73H2BTE1001F		1	530A	4
RK73H2BTE1002F		1	535	15
RK73H2BTE1003F		1	540	27
RK73H2BTE1004F		1	545	1
RK73H2BTE1022F		1	550A	1
RK73H2BTE10R0F		1	525A	1
RK73H2BTE1502F		1	560A	4
RK73H2BTE1503F		1	565A	1
RK73H2BTE15R0F		1	555A	1
RK73H2BTE2001F		1	570A	1
RK73H2BTE2003F		1	575A	80
RK73H2BTE2212F		1	580A	1
RK73H2BTE2491F		1	585A	1
RK73H2BTE2613F		1	590	2
RK73H2BTE2741F		1	595A	1
RK73H2BTE3011F		1	600A	2
RK73H2BTE3093F		1	605A	1
RK73H2BTE3321F		1	610A	1
RK73H2BTE3482F		1	615A	4
RK73H2BTE3831F		1	620	1
RK73H2BTE4022F		1	625	1

23-27-03

ILLUSTRATED PARTS LIST

Page 1034

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
RK73H2BTE4752F		1	630A	8
RK73H2BTE4872F		1	635A	64
RK73H2BTE4993F		1	640A	4
RK73H2BTE5111F		1	645A	1
RK73H2BTE5620F		1	650A	4
RK73H2BTE6041F		1	655A	8
RK73H2BTE6043F		1	660A	4
RK73H2BTE6192F		1	665A	4
RK73H2BTE6811F		1	670A	1
RK73H2BTE9092F		1	675A	1
RK73HA2BB1003F		1	540	27
RMLH9075-40W		1	805	1
RNC55H1002BS		1	495	2
RWR81S1780FR		1	505	1
RWR81S2740FR		1	510	1
RWR81S4990FR		1	520	1
RWR81S75R0FR		1	515	1
RWR81SR499FR		1	500	1
S182-10802-5		1	755A	4
S285T004-8		1	15A	8
		1	175A	2
S906-10181-005		1	435	2
SE12XC11		1	780	3
SG1843V883		1	325A	1
SG1843V883B		1	325A	1
SG1843V883C		1	325A	1
T330C106K035AS		1	415	1
T330C336K010AS		1	420	1
T330D157K010AS		1	425	1
T330D226K035AS		1	430	2
T330D476K025AS		1	435	2
T6S440J		1	805	1
TFH832-8CI		1	80	1
UC1843J883BC		1	325A	1
V230-1052		1	835	2

23-27-03

ILLUSTRATED PARTS LIST

Page 1035

Mar 01/2006

**COMPONENT MAINTENANCE MANUAL**

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
VN303A40		1	805	1
VQ1006P5		1	330A	1

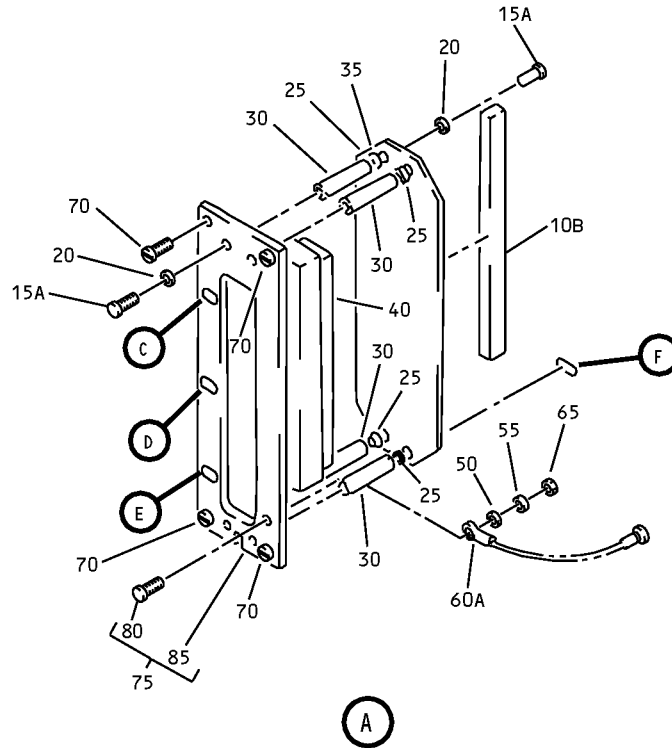
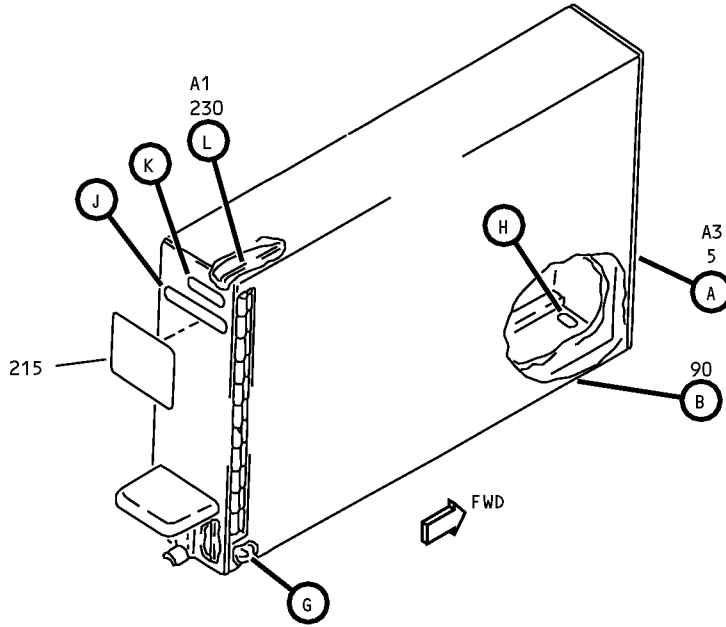
23-27-03

ILLUSTRATED PARTS LIST

Page 1036

Mar 01/2006

COMPONENT MAINTENANCE MANUAL



APID Unit Module Assembly
IPL Figure 1 (Sheet 1 of 12)

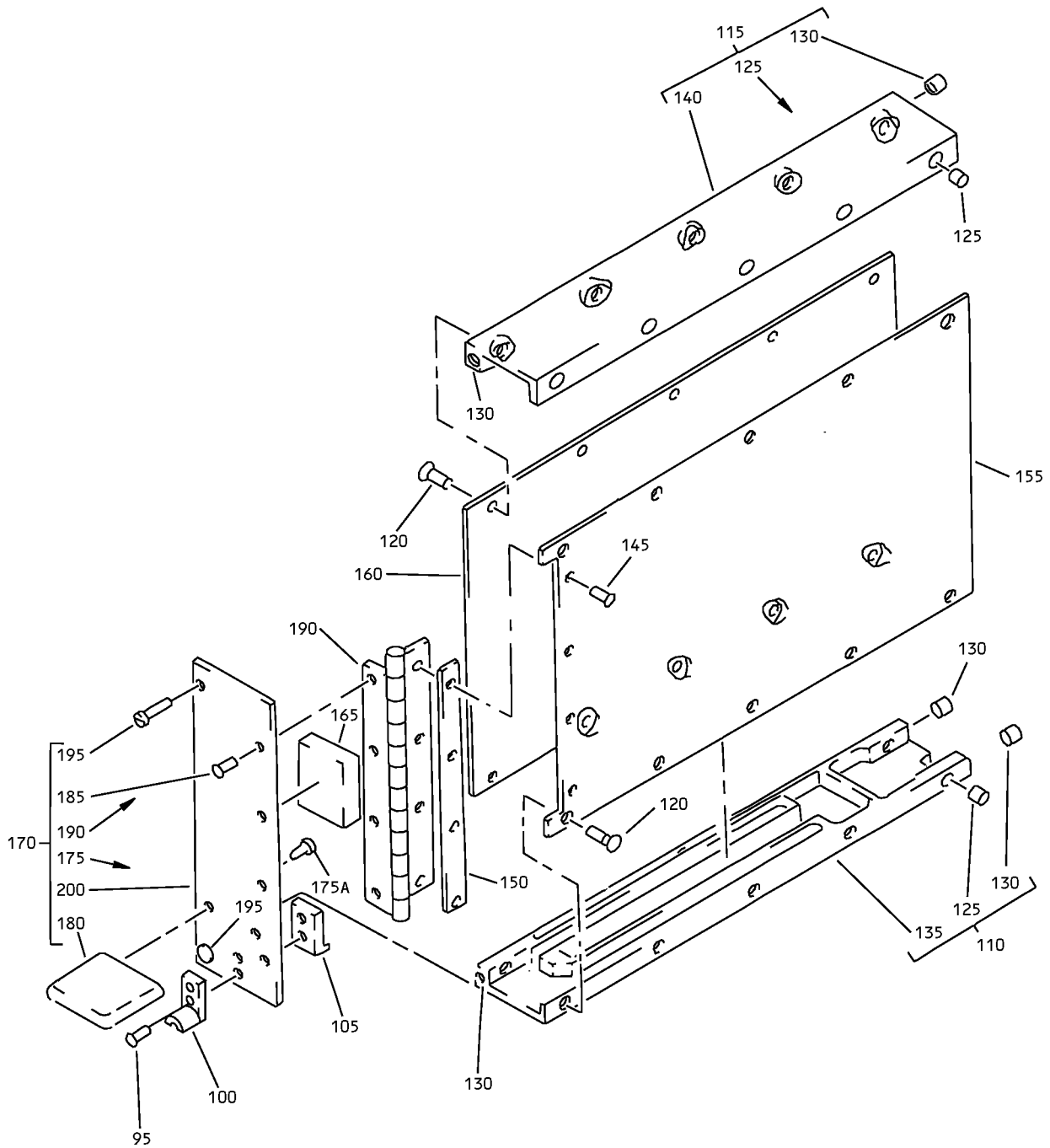
23-27-03

ILLUSTRATED PARTS LIST

Page 1037

Nov 01/2006

COMPONENT MAINTENANCE MANUAL



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APID Unit Module Assembly
IPL Figure 1 (Sheet 2 of 12)

23-27-03

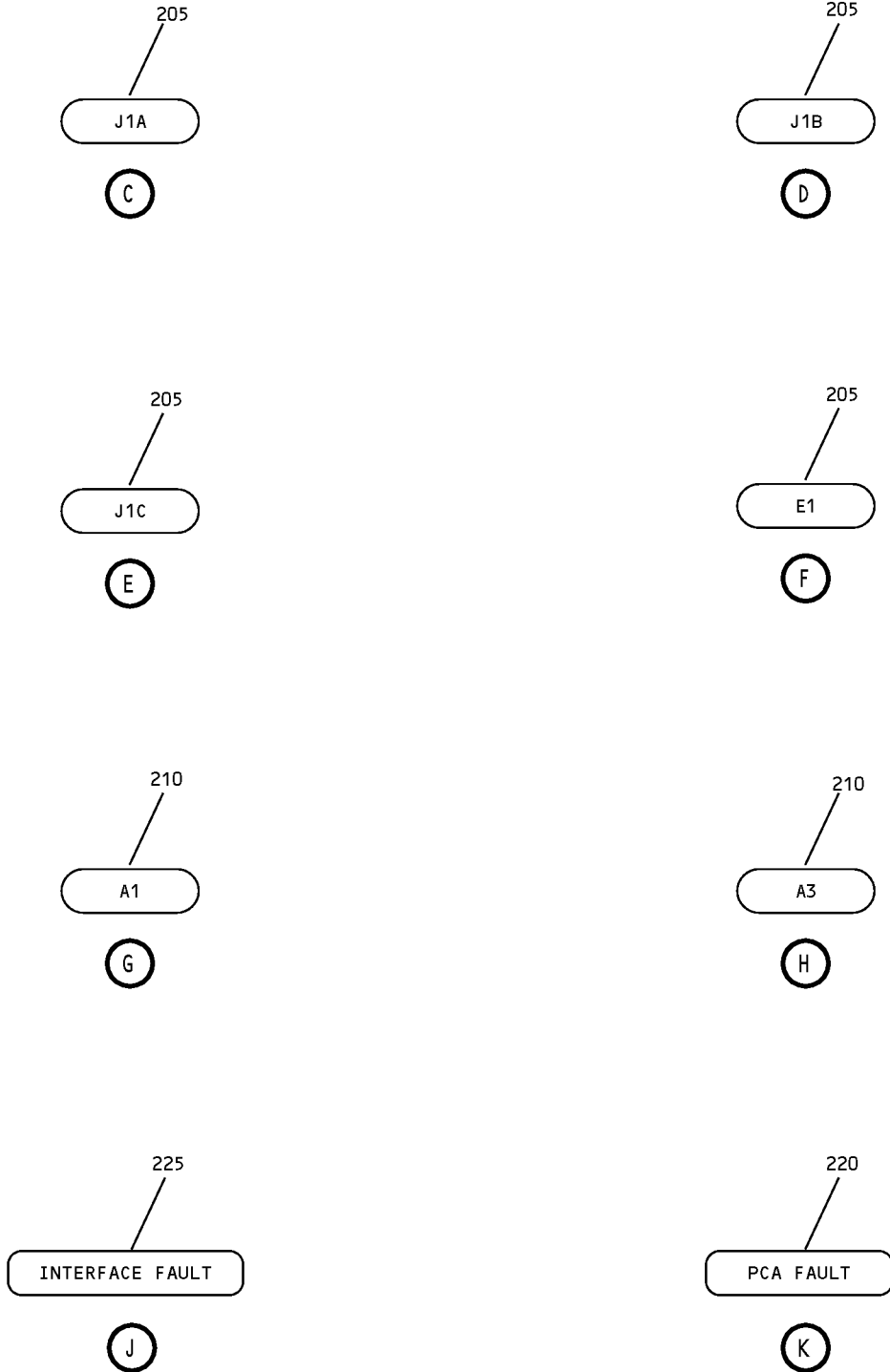
ILLUSTRATED PARTS LIST

Page 1038

Nov 01/2006

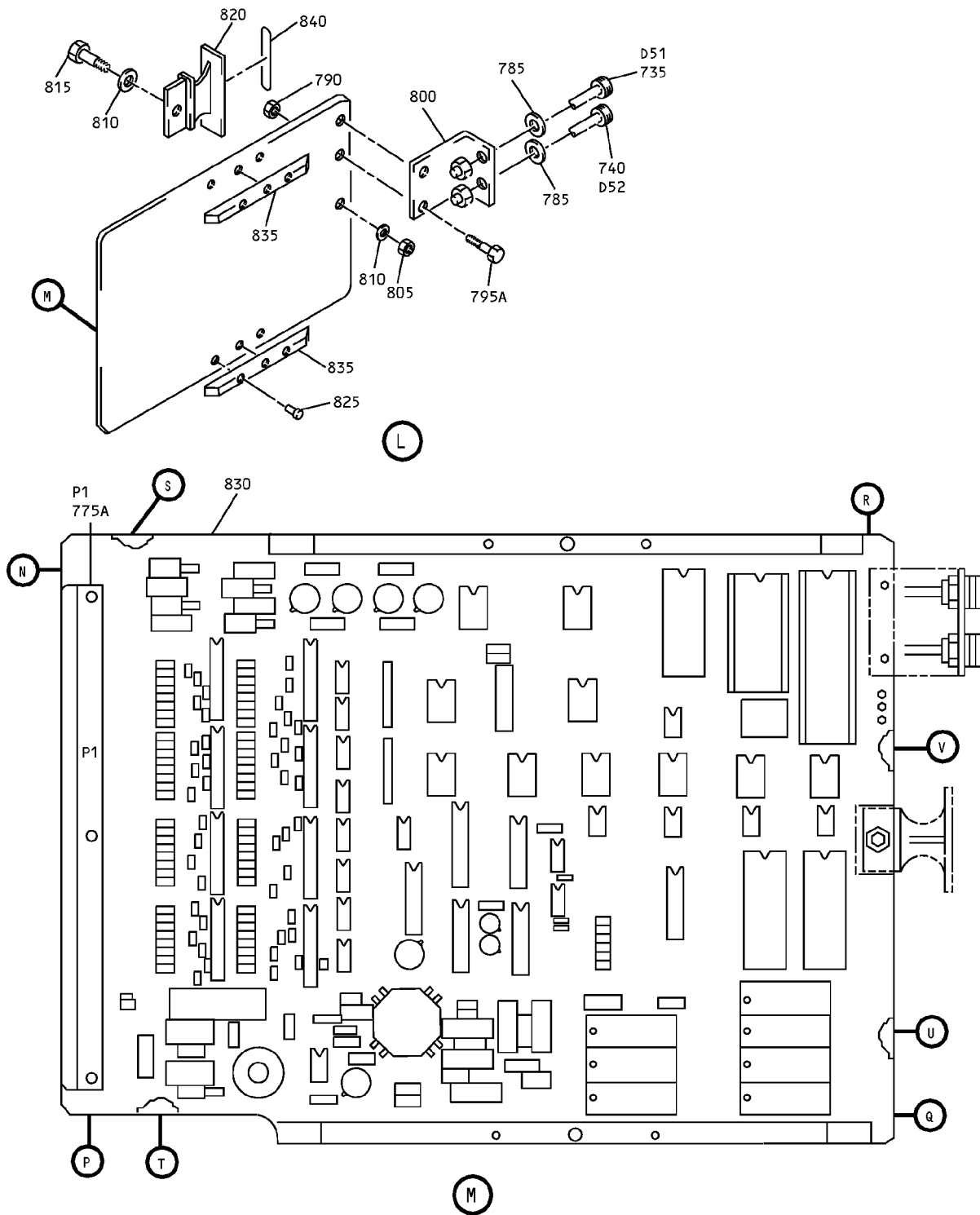


COMPONENT MAINTENANCE MANUAL



APID Unit Module Assembly
IPL Figure 1 (Sheet 3 of 12)

COMPONENT MAINTENANCE MANUAL



APID Unit Module Assembly
IPL Figure 1 (Sheet 4 of 12)

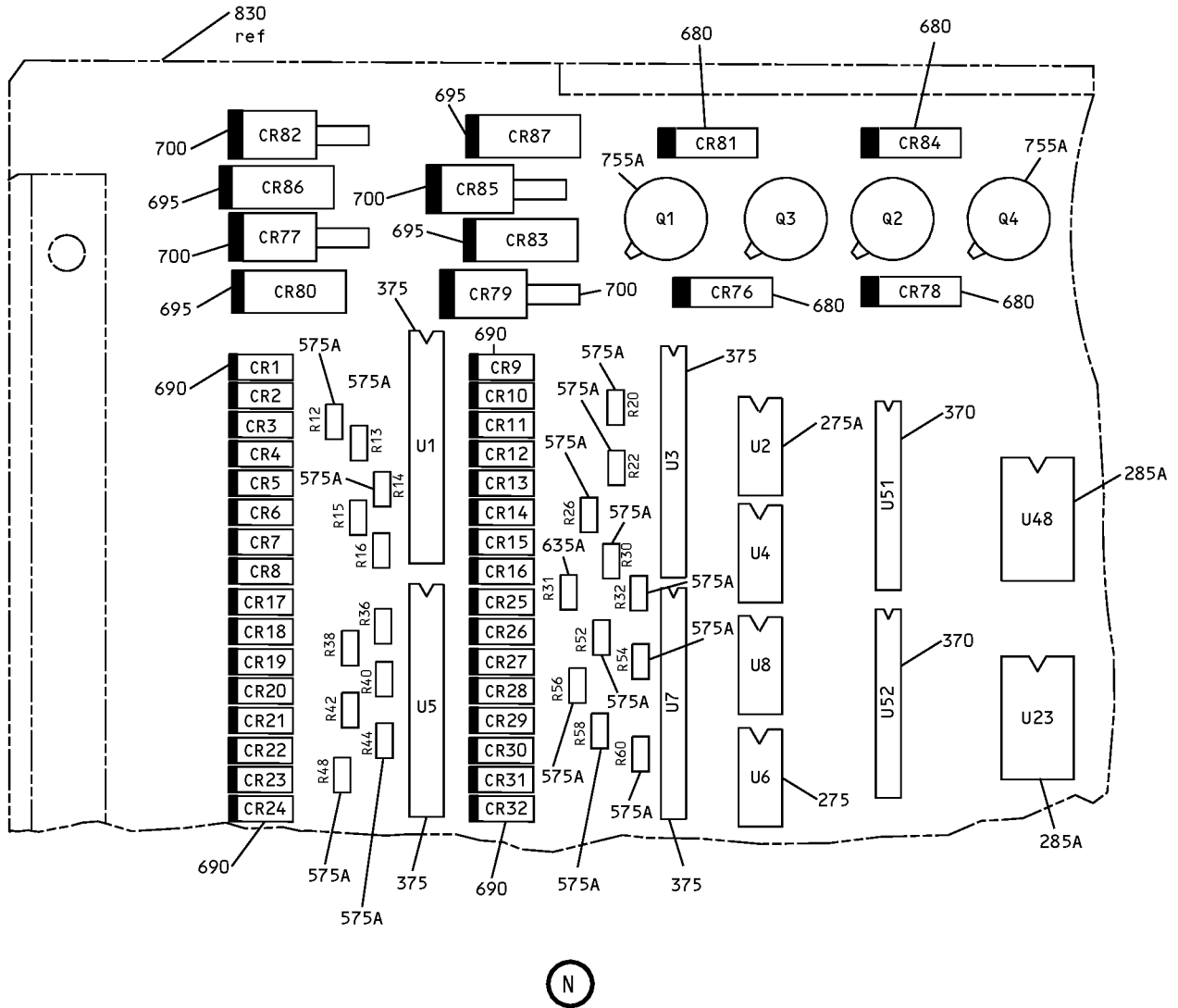
23-27-03

ILLUSTRATED PARTS LIST

Page 1040

Nov 01/2006

COMPONENT MAINTENANCE MANUAL



APID Unit Module Assembly
IPL Figure 1 (Sheet 5 of 12)

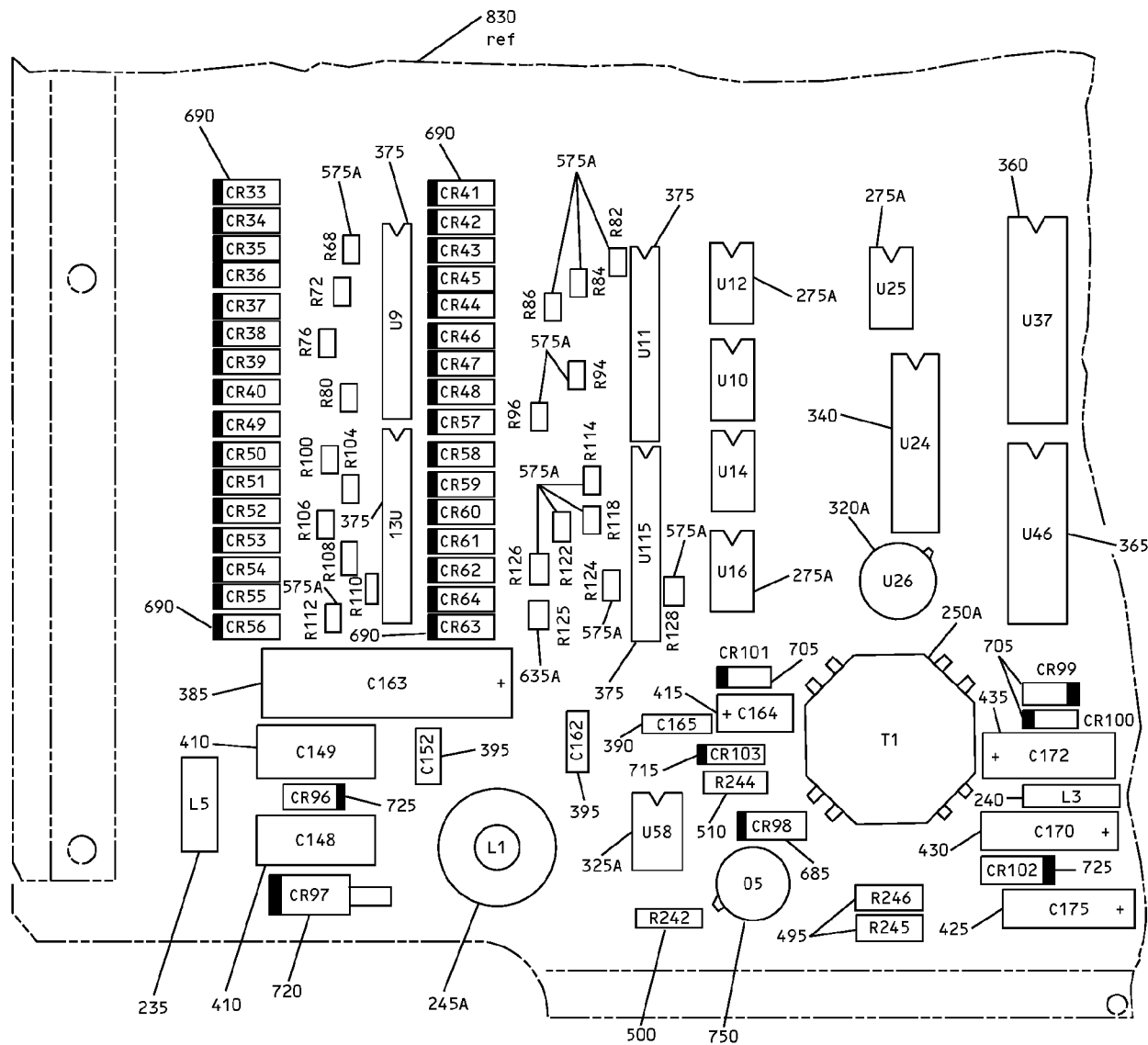
23-27-03

ILLUSTRATED PARTS LIST

Page 1041

Nov 01/2006

COMPONENT MAINTENANCE MANUAL



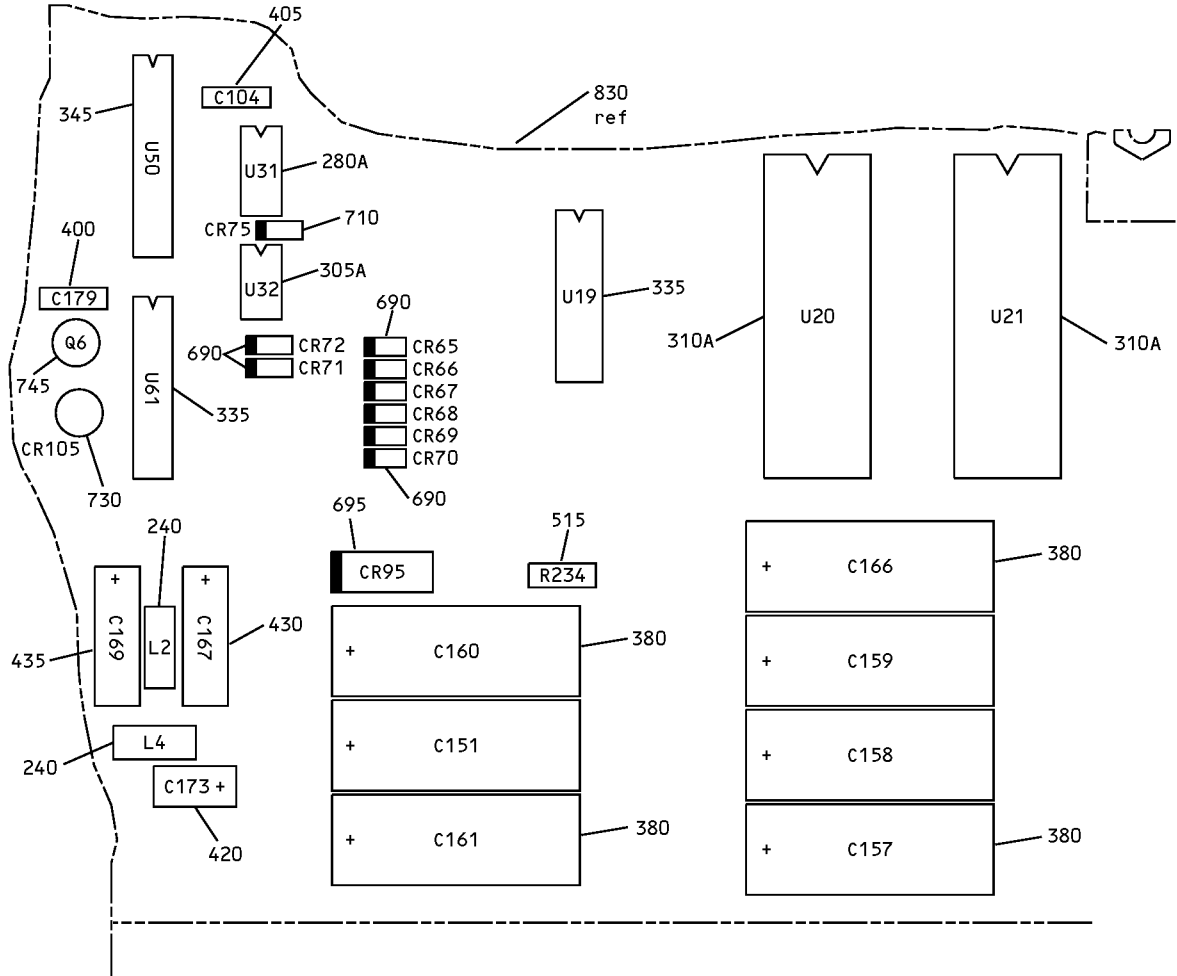
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APID Unit Module Assembly
IPL Figure 1 (Sheet 6 of 12)

23-27-03

ILLUSTRATED PARTS LIST
Page 1042
Nov 01/2006

COMPONENT MAINTENANCE MANUAL



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APID Unit Module Assembly
IPL Figure 1 (Sheet 7 of 12)

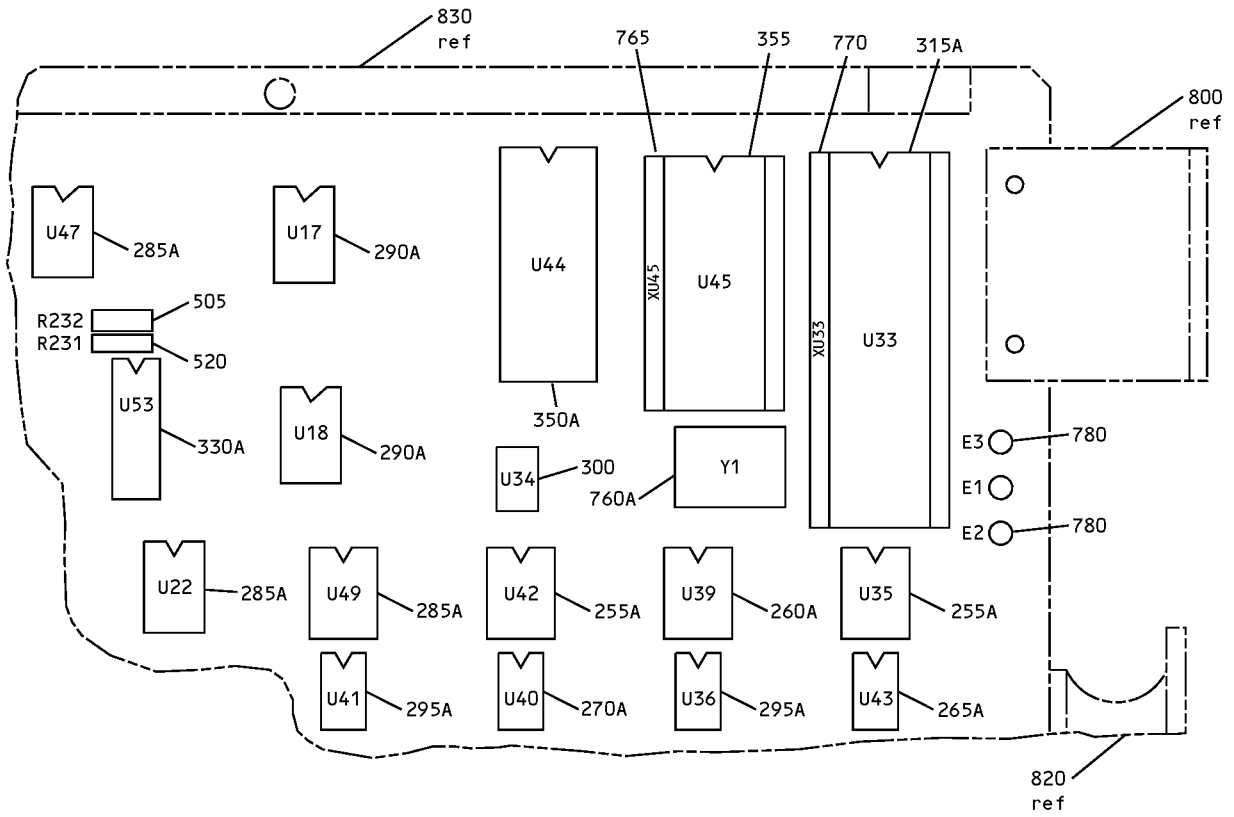
23-27-03

ILLUSTRATED PARTS LIST

Page 1043

Nov 01/2006

COMPONENT MAINTENANCE MANUAL



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APID Unit Module Assembly
IPL Figure 1 (Sheet 8 of 12)

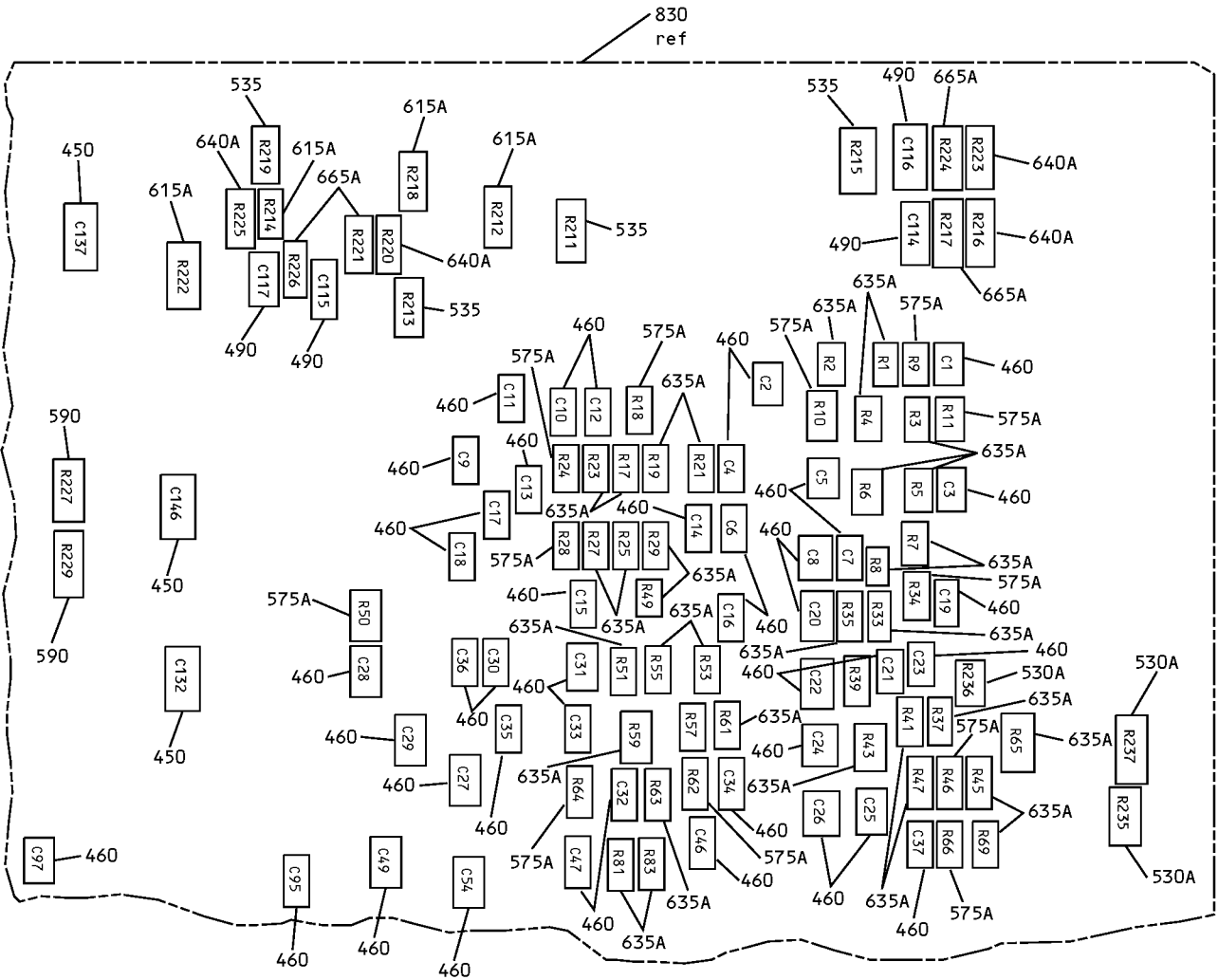
23-27-03

ILLUSTRATED PARTS LIST

Page 1044

Nov 01/2006

COMPONENT MAINTENANCE MANUAL



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APID Unit Module Assembly
IPL Figure 1 (Sheet 9 of 12)

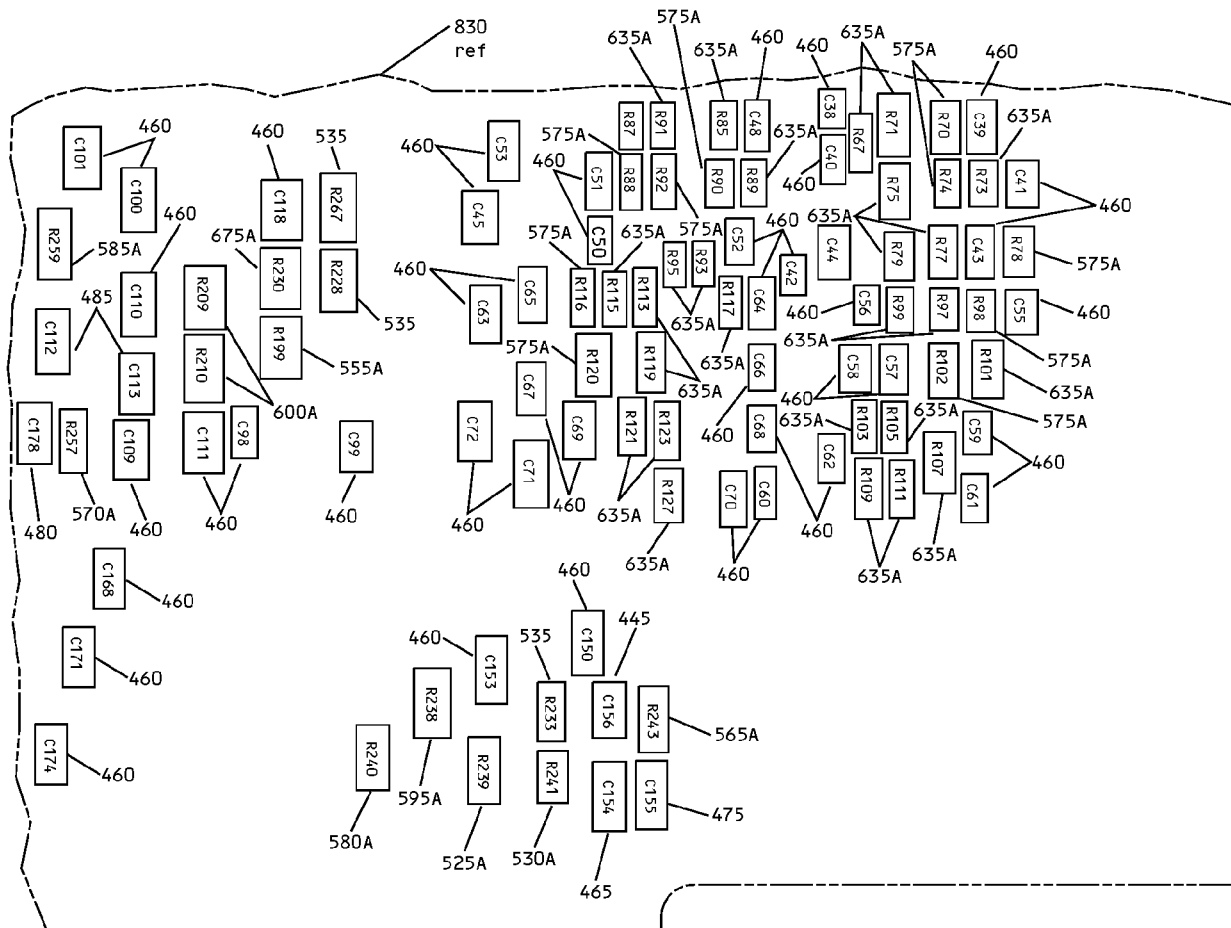
23-27-03

ILLUSTRATED PARTS LIST

Page 1045

Nov 01/2006

COMPONENT MAINTENANCE MANUAL



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APID Unit Module Assembly
IPL Figure 1 (Sheet 10 of 12)

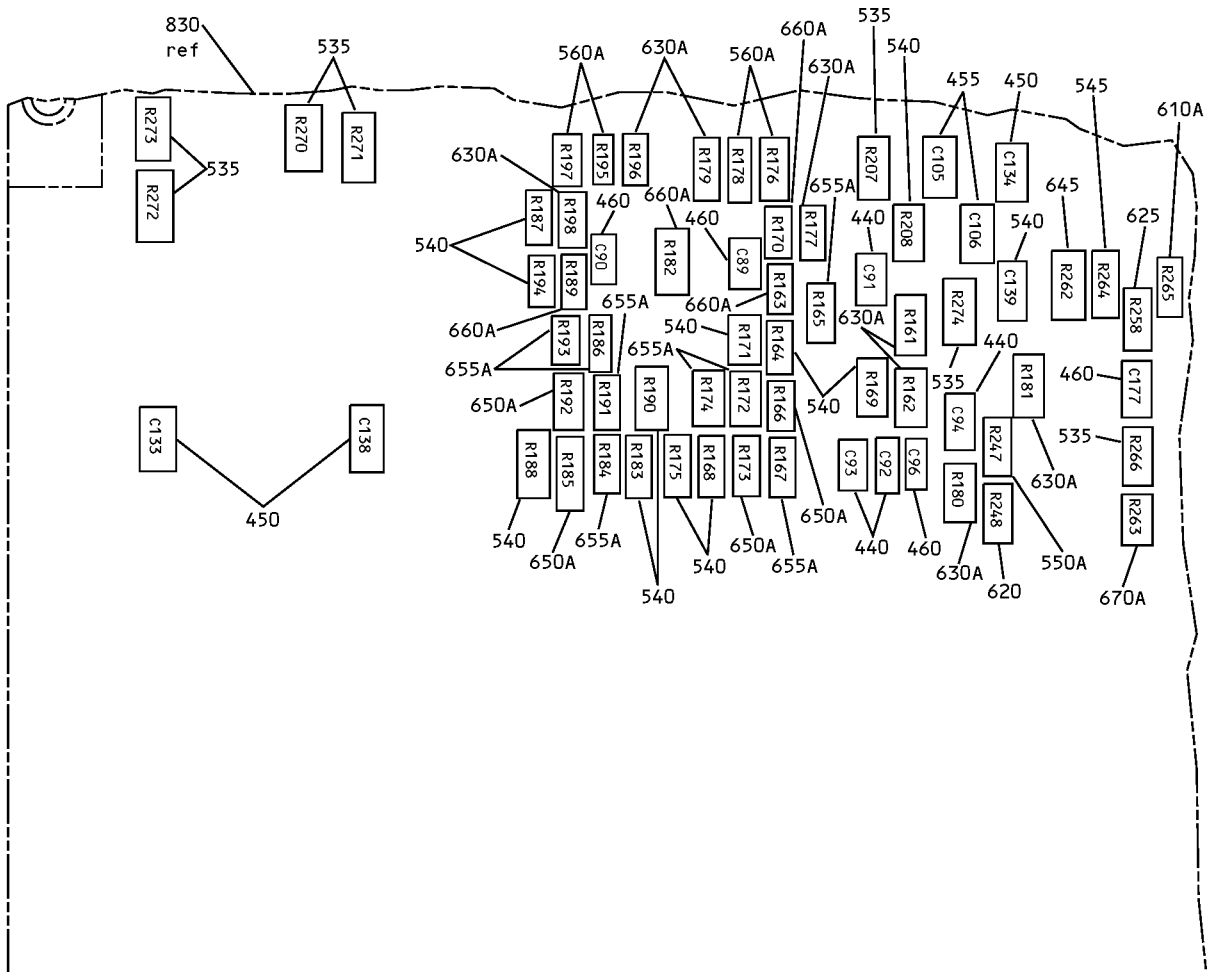
23-27-03

ILLUSTRATED PARTS LIST

Page 1046

Nov 01/2006

COMPONENT MAINTENANCE MANUAL



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APID Unit Module Assembly
IPL Figure 1 (Sheet 11 of 12)

23-27-03

ILLUSTRATED PARTS LIST

Page 1047

Nov 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
-1	65-52823-1										RF
5	69-73648-1										1
10	900-14112-7										
10A	BCREFA0968										
10B	BCREF107076										1
15	S285T004-8										
15A	PL1801-06-7										8
20	NAS620A6L										8
25	97-010SS12										AR
30	1130HSS1220-12										4
35	906-30015-1										1
40	BKAF1-68100-24										1
-40A	285U0176-2										1
-45	211431-6										120
50	AN960D8										1
55	AN960-8										1
60	AA832-06										

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1049

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
60A	323989								. .	TERMINAL (V00779) (SPEC BACT12S13)	1
65	MS21042L08								. .	NUT	1
70	783-750SS12								. .	SCREW (V51506)	4
75	285U0168-6								. .	PANEL ASSY	1
80	TFH832-8CI								. . .	STUD (V46384)	1
85	285U0176-7								. . .	PANEL	1
90	285U0160-3								. .	ENCLOSURE ASSY	1
95	BACR15BA5D								. .	RIVET (SIZE DETERMINED ON INST)	2
100	NAS622T3								. .	HOOK	1
105	285U0168-10								. .	DOUBLER	1
110	285U0168-2								. .	GUIDE ASSY-CARD	1
115	285U0168-3								. .	GUIDE ASSY-CARD	1
										ATTACHING PARTS	
120	NAS514P440-4P								. .	SCREW	20
										----- * -----	
125	MS21209C0415								. . .	INSERT	10
130	MS21209C0615								. . .	INSERT	3
135	285U0168-4								. . .	GUIDE (USED ON ITEM 115)	1
140	285U0168-5								. . .	GUIDE (USED ON ITEM 120)	1
145	BACR15BA3D								. .	RIVET (SIZE DETERMINED ON INST)	4
150	285T1148-11								. .	SPACER	1
155	285T1148-8								. .	PANEL-R SIDE	1
160	285T1148-9								. .	PANEL-L SIDE	1
165	285U0160-2								. .	PAD	1
170	285U0168-11								. .	PANEL ASSY-FRONT	1
175	S285T004-8									DELETED	

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1050

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
175A	PL1801-06-7								. . . SCREW ASSY (V03038) (SPEC S285T004-8)		2
180	10225A0632-2								. . . HANDLE (V06540)		1
185	BACR15BA3D								. . . RIVET (SIZE DETERMINED ON INST)		4
190	285U0168-9								. . . HINGE		1
195	783-750SS12								. . . SCREW (V51506)		2
200	285U0168-12								. . . PANEL		1
205	BAC27TEX3327								. . DECALSET (INCLUDES DECALS IDENTIFIED ON THE ILLUSTRATION)		1
210	BAC27TEX3327								. DECALSET (INCLUDES DECALS IDENTIFIED ON THE ILLUSTRATION)		1
215	BAC27DEX5851								. MARKER-ALUMINUM FOIL		1
220	BAC27DEX5864								. DECAL		1
225	BAC27DEX5865								. DECAL		1
230	69-73647-1								. PRINTED CIRCUIT ASSY-APL IDENT UNIT (A1) (OPT ITEM 230A)		1
-230A	69-73647-2								. PRINTED CIRCUIT ASSY-APL IDENT UNIT (A1) (OPT ITEM 230)		1
235	2673000701								. . INDUCTOR-FERRITE BEAD (V34899) (L5)		1
240	2743002111								. . INDUCTOR (V34899) (L2-L4)		3
245	900-12646								DELETED		

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1051

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
245A	900-12646-1		. .	INDUCTOR							1
				(V00204)							
				(L1)							
				(SPEC 900-12646-1)							
				(OPT 900-12646-1 (V54937))							
250	900-12589-3		DELETED								
250A	1811PA160-3B7		. .	TRANSFORMER							1
				(V08830)							
				(L1)							
				(SPEC 900-12589-3)							
255	74AC373SC		DELETED								
255A	900-12471-804		. .	INTEGRATED CIRCUIT-OCTAL LATCH							2
				(STATIC SENSITIVE PART)							
				(U35, U42)							
260	A8AC244P0		DELETED								
260A	900-12471-803		. .	INTEGRATED CIRCUIT-OCTAL							1
				BUFFER							
				(STATIC SENSITIVE PART)							
				(U39)							
265	74AC138SC		DELETED								
265A	900-12471-802		. .	INTEGRATED CIRCUIT-							1
				DECODER/DEMUX							
				(STATIC SENSITIVE PART)							
				(U43)							
270	74AC00SC		DELETED								
270A	900-12471-801		. .	INTEGRATED CIRCUIT-QUAD 2-INPUT							1
				NAND							
				(STATIC SENSITIVE PART)							
				(U40)							
275	MC14051BD		DELETED								
275A	900-12471-272		. .	INTEGRATED CIRCUIT-ANALOG							9
				MUX/DEMUX							
				(STATIC SENSITIVE PART)							
				(U2, U4, U6, U8, U10, U12, U14, U16,							
				U25)							
280	74HC4538D		DELETED								
280A	900-12471-098		. .	INTEGRATED CIRCUIT-MONOSTABLE							1
				MULTIVIBRATOR							
				(STATIC SENSITIVE PART)							
				(U31)							

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1052

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
285	SN74HC273DW										
285A	900-12471-040										5
290	CD74HC244M										
290A	900-12471-034										2
295	MM74HC138M										
295A	900-12471-018										2
300	MC74HC74D										
300A	900-12471-013										1
305	MC74HC00D										
305A	900-12471-001										1
310	900-12143-2										
310A	MKXHC0IFP										2
315	280T1020-016										
315A	MD80C31BHB										1
320	280T1020-561										

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1053

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 320A	LF156AH883C		. . MICROCIRCUIT-OP AMP (V64155) (U26) (SPEC 280T1020-561) (OPT LF156AH883 (V64155)) (OPT LF156AH883B (V64155)) (OPT LF156AH883BC (V64155)) (OPT LF156AH8838 (V64155)) (OPT LF156AH883 (V27014)) (OPT LF156AH883B (V27014)) (OPT LF156AH883C (V27014)) (OPT LF156AH883BC (V27014)) (OPT PM156AJ883 (V06665)) (OPT PM156AJ883B (V06665)) (OPT PM156AJ883C (V06665)) (OPT PM156AJ883BC (V06665)) (OPT LF156AHBC (V66958)) (OPT LF156AHBB (V66958)) (OPT LF156AHB8 (V66958))								1
325	280T1020-565		DELETED								
325A	IP1843J883B		. . MICROCIRCUIT-PULSE WIDTH MOD (VU4637) (U58) (SPEC 280T1020-565) (OPT SG1843V883 (V34333)) (OPT SG1843V883B (V34333)) (OPT SG1843V883C (V34333)) (OPT UC1843J883BC (V48726)) (OPT IP1843J883 (VU4637)) (OPT IP1843J883C (VU4637))								1
330	280T1020-570		DELETED								
330A	H00202-7		. . MICROCIRCUIT-QUAD FET (STATIC SENSITIVE PART) (V59640) (U53) (SPEC 280T1020-570) (OPT VQ1006P5 (V17856))								1

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1054

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY	
			1	2	3	4	5	6	7			
1- 335	LM139ABCA		.	.	MICROCIRCUIT-QUAD (V18324) (U19, U61) (SPEC 900-70002-10298) (SPEC 280T1020-542) (OPT 139DMQB (V07263)) (OPT LM139AJ883 (V27014)) (OPT LM139AJ883B (V07933)) (OPT LM139AJB (V01295)) (OPT PM139AY883 (V06665))							2
335A	PM139AY883C		DELETED									
340	DG508AAK883		.	.	INTEGRATED CIRCUIT-ANALOG MUX (STATIC SENSITIVE PART) (V17856) (U24) (SPEC 280T1020-715) (OPT DG508AAK883B (V17856)) (OPT DG508AAK883C (V17856)) (OPT DG508AAK883 (V1ES66)) (OPT DG508AAK883B (V1ES66)) (OPT DG508AAK883C (V1ES66)) (OPT HI10508883 (V34371)) (OPT HI10508883B (V34371)) (OPT HI10508883C (V34371))						1	
345	DG509AAK883		.	.	MICROCIRCUIT-DG509AAK 8 CHAN ANALOG MUX (STATIC SENSITIVE PART) (V17856) (U50) (SPEC 280T1020-716) (OPT DG509AAK883B (V17856)) (OPT DG509AAK883C (V17856)) (OPT HI10509883 (V34371)) (OPT HI10509883B (V34371)) (OPT HI10509883C (V34371)) (OPT DG509AAK883 (V1ES66)) (OPT DG509AAK883B (V1ES66)) (OPT DG509AAK883C (V1ES66))						1	
350	HM1-65162-8		DELETED									

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1055

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY	
			1	2	3	4	5	6	7			
1- 350A	HM1-65162C883		.	.								1
			INTEGRATED CIRCUIT-STATIC RAM (STATIC SENSITIVE PART) (V34371) (U44) (OPT HM1-65162C883B (V34371)) (OPT HM1-65162C883C (V34371)) (OPT HM1-65162C883BC (V34371)) (OPT IDT6116LA90DB (V61772)) (SPEC 280T1020-833)									
355	285U0262-4		.	.								1
			PROGRAMMED MEMORY DEVICE- ASSY- (STATIC SENSITIVE PART) (U45)									
360	AD573SD883B		.	.								1
			MICROCIRCUIT-A-D CONVERTER (STATIC SENSITIVE PART) (V24355) (U27)									
365	HS1-3182-8		.	.								1
			INTEGRATED CIRCUIT-ARINC LINE DRIVER (STATIC SENSITIVE PART) (V34371) (U46)									
370	M8340105M4990FG		.	.								2
			NETWORK-499K, .8W, 1 PCT, (U51, U52)									
375	M8340106M1333FC		.	.								8
			NETWORK-133K, .8W, 1 PCT, (U1, U3, U5, U7, U9, U11, U13, U15)									
380	M39006-22-0600		.	.								7
			CAPACITOR-140UF, 10 PCT, 60V (C151, C157-C161, C166)									
385	M39006-22-0620		.	.								1
			CAPACITOR-110UF, 10 PCT, 75V (C163)									
390	M39014-02-1332		.	.								1
			CAPACITOR-.0047MF, 10 PCT, 200V (C165)									
395	M39014-02-1350		.	.								2
			CAPACITOR-0.1MF, 10 PCT, 100V (C152, C162)									
400	M39014-02-1360		.	.								1
			CAPACITOR-.47MF, 10PCT, 50V (C179)									
405	M39014-02-1419		.	.								1
			CAPACITOR-1MF, 10 PCT, 50V (C104)									
410	M39014-05-2319		.	.								2
			CAPACITOR-0.33MF, 10 PCT, 100V (C148, C149)									

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1056

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
415	T330C106K035AS		.	.	CAPACITOR-10UF, 10 PCT, 35V (V31433) (C164)						1
420	T330C336K010AS		.	.	CAPACITOR-33MF, 10 PCT, 10V (V31433) (C173)						1
425	T330D157K010AS		.	.	CAPACITOR-150MF, 10 PCT, 10V (V31433) (C175)						1
430	T330D226K035AS		.	.	CAPACITOR-22MF, 10 PCT, 35V (V31433) (C167, C170)						2
435	T330D476K025AS		.	.	CAPACITOR-47MF, 10 PCT, 25V (V31433) (C169, C172) (SPEC S906-10181-005)						2
440	R1206C100K2B04		.	.	CAPACITOR-10PFD, 10 PCT, 50V (V0FDX0) (C91-C94) (SPEC 900-14050-10095)						4
445	R1206C101K2B04		.	.	CAPACITOR-100PF, 10 PCT 50V (V0FDX0) (C156) (SPEC 900-14050-10195) (OPT 12065A101KZT1AV (V0FDX0)) (OPT 7009A101KXAAT (V95275))						1
450	R1206C102K2B04		.	.	CAPACITOR-0.001MF, 1 PCT, 50V (V0FDX0) (C125-C127, C129-C134, C136-C138, C141, C143, C144, C146, C147, C180) (SPEC 900-14050-10295) (OPT 12065A102KZT1AV (V0FDX0)) (OPT 7009A102KXAAT (V95275))						18
455	R1206X103K2B04		.	.	CAPACITOR-0.01UF, 10 PCT, 50V (V0FDX0) (C105, C106, C135, C140, C200) (SPEC 900-14050-10395) (OPT 12065C103KHT1AV (V0FDX0)) (OPT 7009Y103KXAAT (V95275))						5
455A	900-14050-10395				DELETED						

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1057

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 460	R1206X104K2B04		.	.	.	.	.	.	.	.	112
			. . CAPACITOR-0.1MF, 10 PCT, 50V (V0FDX0) (C1-C90, C95-C101, C109-C111, C118-C121, C128, 150, C153, C168, C171, C174, C177, C201) (SPEC 900-14050-10495) (OPT 12065C104KHT1AV (V0FDX0)) (OPT 7009Y104KXAAT (V95275))								
465	R1206X222K2B04		.	.	.	.	.	.	.	.	1
			. . CAPACITOR-0.0022MF, 10 PCT, 50V (V0FDX0) (C154) (SPEC 900-14050-22295) (OPT 12065C222KHT1AV (V0FDX0)) (OPT 7009Y222KXAAT (V95275))								
470	R1206C330K2B04		.	.	.	.	.	.	.	.	2
			. . CAPACITOR-33PF, 10 PCT, 50V (V0FDX0) (C107, C108) (SPEC 900-14050-33095)								
475	R1206C331K2B04		.	.	.	.	.	.	.	.	1
			. . CAPACITOR-330PF, 10 PCT, 50V (V0FDX0) (C155) (SPEC 900-14050-33195) (OPT 12065A331KZT1AV (V0FDX0)) (OPT 7009A331KXAAT (V95275))								
480	R1206C471K2B04		.	.	.	.	.	.	.	.	1
			. . CAPACITOR-470PF, 10 PCT, 50V (V0FDX0) (C178) (SPEC 900-14050-47195) (OPT 12065A471KZT1AV (V0FDX0)) (OPT 7009A471KXAAT (V95275))								
485	R1206C511K2B04		.	.	.	.	.	.	.	.	2
			. . CAPACITOR-510PF, 10 PCT, 50V (V0FDX0) (C112, C113) (SPEC 900-14050-51195)								
490	R1209X154K2P04		.	.	.	.	.	.	.	.	4
			. . CAPACITOR-0.15MF, 10 PCT, 50V (V0FDX0) (C114-C117) (SPEC 900-14051-15495)								
495	RNC55H1002BS		.	.	.	.	.	.	.	.	2
			. . RESISTOR-10K, 0.1 PCT, 1/10W (STATIC SENSITIVE PART) (R245, R246)								
500	RWR81SR499FR		.	.	.	.	.	.	.	.	1
			. . RESISTOR-0.499 OHMS, 1 PCT, 1W (R242)								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1058

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
505	RWR81S1780FR								. . RESISTOR-178 OHMS, 1 PCT, 1W (R232)		1
510	RWR81S2740FR								. . RESISTOR-274 OHMS, 1 PCT, 1W (R244)		1
515	RWR81S75R0FR								. . RESISTOR-75 OHMS, 1 PCT, 1W (R234)		1
520	RWR81S4990FR								. . RESISTOR-499 OHMS, 1 PCT, 1W (R231)		1
525	900-14052-10R0								DELETED		
525A	CRCW1206-10R0FT								. . RESISTOR-10 OHMS, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V91637) (R239) (SPEC 900-14052-10R0) (OPT CRCW1206-10R0FB (V91637)) (OPT RK73H2BTE10R0F (V59124)) (OPT RK73H2BB10R0F (V59124)) (OPT 9C12063A10R0FKRT (V19701)) (OPT 9C12063A10R0FKRB (V19701)) (OPT C1206CPX10R0F10 (V56235))		1
530	900-14052-1001								DELETED		
530A	BCK1001FB								. . RESISTOR-1K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R235-R237, R241) (SPEC 900-14052-1001) (OPT BCK1001FK (V01121)) (OPT CRCW1206-1001FT (V91637)) (OPT CRCW1206-1001FB (V91637)) (OPT RK73H2BTE1001F (V59124)) (OPT RK73H2BB1001F (V59124)) (OPT 9C12063A1001FKRT (V19701)) (OPT 9C12063A1001FKRB (V19701)) (OPT C1206CPX1001F10 (V56235))		4

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1059

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 535	BCK1002FB		. . RESISTOR-10K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R207, R211, R213, R215, R219, R228, R233, R266, R267, R270-R274, R300) (SPEC 900-14052-1002) (OPT BCK1002FT (V01121)) (OPT CRCW1206-1002FT (V91637)) (OPT CRCW1206-1002FB (V91637)) (OPT RK73H2BTE1002F (V59124)) (OPT RK73H2BB1002F (V59124)) (OPT 9C12063A1002FKRT (V19701)) (OPT 9C12063A1002FKRB (V19701)) (OPT C1206CPX1002F10 (V56235))								15
540	BCK1003FB		. . RESISTOR-100K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R129, R131, R133, R135, R137, R139, R141, R143, R145, R147, R149, R151, R153, R155, R157, R159, R164, R168, R169, R171, R175, R183, R187, R188, R190, R194, R208) (SPEC 900-14052-1003) (OPT BCK1003FK (V01121)) (OPT CRCW1206-1003FT (V91637)) (OPT CRCW1206-1003FB (V91637)) (OPT RK73H2BTE1003F (V59124)) (OPT RK73HA2BB1003F (V59124)) (OPT 9C12063A1003FKRT (V19701)) (OPT 9C12063A1003FKRB (V19701)) (OPT C1206CPX1003F10 (V56235))								27
545	BCK1004FB		. . RESISTOR-1MEG, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R264) (SPEC 900-14052-1004) (OPT BCK1004FK (V01121)) (OPT CRCW1206-1004FT (V91637)) (OPT CRCW1206-1004FB (V91637)) (OPT RK73H2BTE1004F (V59124)) (OPT RK73H2BB1004F (V59124)) (OPT 9C12063A1004FKRT (V19701)) (OPT 9C12063A1004FKRB (V19701)) (OPT C1206CPX1004F10 (V56235))								1
550	900-14052-1022		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1060

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 550A	BCK1022FB		. . RESISTOR-10.2K, 1 PCT, 1 8W (STATIC SENSITIVE PART) (V01121) (R247) (SPEC 900-14052-1022) (OPT BCK1022FK (V01121)) (OPT CRCW1206-1022FT (V91637)) (OPT CRCW1206-1022FB (V91637)) (OPT RK73H2BTE1022F (V59124)) (OPT RK73H2BB1022 (V59124)) (OPT 9C12063A1022FKRT (V19701)) (OPT 9C12063A1022FKRB (V19701)) (OPT C1206CPX1022F10 (V56235))								1
555	900-14052-15R0		DELETED								
555A	BCK15R0FB		. . RESISTOR-15 OHMS, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R199) (SPEC 900-14052-15R0) (OPT BCK15R0FX (V01121)) (OPT CRCW1206-15R0FT (V91637)) (OPT CRCW1206-15R0FB (V91637)) (OPT RK73H2BTE15R0F (V59124)) (OPT RK73H2BB15R0F (V59124)) (OPT 9C12063A15R0FKRT (V19701)) (OPT 9C12063A15R0FKRB (V19701)) (OPT C1206CPX15R0F10 (V56235))								1
560	900-14052-1502		DELETED								
560A	BCK1502FB		. . RESISTOR-15K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R176, R178, R195, R197) (SPEC 900-14052-1502) (OPT BCK1502FK (V01121)) (OPT CRCW1206-1502FT (V91637)) (OPT CRCW1206-1502FB (V91637)) (OPT RK73H2BTE1502F (V59124)) (OPT RK73H2BB1502F (V59124)) (OPT 9C12063A1502FKRT (V19701)) (OPT 9C12063A1502FKRB (V19701)) (OPT C1206CPX1502F10 (V56235))								4
565	900-14052-1503		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1061

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 565A	BCK1503FB		. . RESISTOR-150K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R243) (SPEC 900-14052-1503) (OPT BCK1503FK (V01121)) (OPT CRCW1206-1503FT (V91637)) (OPT CRCW1206-1503FB (V91637)) (OPT RK73H2BTE1503F (V59124)) (OPT RK73H2BB1503F (V59124)) (OPT 9C12063A1503FKRT (V19701)) (OPT 9C12063A1503FKRB (V19701)) (OPT C12066CPX1503F10 (V56235))								1
570	900-14052-2001		DELETED								
570A	BCK2001FB		. . RESISTOR-2K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R257) (SPEC 900-14052-2001) (OPT BCK2001FK (V01121)) (OPT CRCW1206-2001FT (V91637)) (OPT CRCW1206-2001FB (V91637)) (OPT RK73H2BTE2001F (V59124)) (OPT RK73H2BB2001F (V59124)) (OPT 9C12063A2001FKRT (V19701)) (OPT 9C12063A2001FKRB (V19701)) (OPT C1206CPX2001F10 (V56235))								1
575	900-14052-2003		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1062

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 575A	BCK2003FB		. . RESISTOR-200K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R9-R16, R18, R20, R22, R24, R26, R28, R30, R32, R34, R36, R38, R40, R42, R44, R46, R48, R50, R52, R54, R56, R58, R60, R62, R64, R66, R68, R70, R72, R74, R76, R78, R80, R82, R84, R86, R88, R90, R92, R94, R96, R98, R100, R102, R104, R106, R108, R110, R112, R114, R116, R118, R120, R122, R124, R126, R128, R130, R132, R134, R136, R138, R140, R142, R144, R146, R148, R150, R152, R154, R156, R158, R160) (SPEC 900-14052-2003) (OPT BCK2003FK (V01121)) (OPT CRCW1206-2003FT (V91637)) (OPT CRCW1206-2003FB (V91637)) (OPT RK73H2BTE2003F (V59124)) (OPT RK73H2BB2003F (V59124)) (OPT 9C12063A2003FKRT (V19701)) (OPT 9C12063A2003FKRB (V19701)) (OPT C1206CPX2003F10 (V56235))								80
580	900-14052-2212		DELETED								
580A	BCK2212FB		. . RESISTOR-22.1K, 1 PCT, 1 8W (STATIC SENSITIVE PART) (V01121) (R240) (SPEC 900-14052-2212) (OPT BCK2212FK (V01121)) (OPT CRCW1206-2212FT (V91637)) (OPT CRCW1206-2212FB (V91637)) (OPT RK73H2BTE2212F (V59124)) (OPT RK73H2BB2212F (V59124)) (OPT 9C12063A2212FKRT (V19701)) (OPT 9C12063A2212FFKRB (V19701)) (OPT C1206CPX2212F10 (V56235))								1
585	900-14052-2491		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1063

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 585A	BCK2491FB		. . RESISTOR-2.49K, 1 PCT, 1 8W (STATIC SENSITIVE PART) (V01121) (R259) (SPEC 900-14052-2491) (OPT BCK2491FK (V01121)) (OPT CRCW1206-2491FT (V91637)) (OPT CRCW1206-2491FB (V91637)) (OPT RK73H2BTE2491F (V59124)) (OPT RK73H2BB2491F (V59124)) (OPT 9C12063A2491FKRT (V19701)) (OPT 9C12063A2491FKRB (V19701)) (OPT C1206CPX2491F10 (V56235))								1
590	BCK2613FB		. . RESISTOR-261K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R227, R229) (SPEC 900-14052-2613) (OPT BCK2613FK (V01121)) (OPT CRCW1206-2613FT (V91637)) (OPT CRCW1206-2613FB (V91637)) (OPT RK73H2BTE2613F (V59124)) (OPT RK73H2BB2613F (V59124)) (OPT 9C12063A2613FKRT (V19701)) (OPT 9C12063A2613FKRB (V19701)) (OPT C1206CPX2613F10 (V56235))								2
595	900-14052-2741		DELETED								
595A	BCK2741FB		. . RESISTOR-2.74K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R238) (SPEC 900-14052-2741) (OPT BCK2741FK (V01121)) (OPT CRCW1206-2741FT (V91637)) (OPT CRCW1206-2741FB (V91637)) (OPT RK73H2BTE2741F (V59124)) (OPT RK73H2BB2741F (V59124)) (OPT 9C12063A2741FKRT (V19701)) (OPT 9C12063A2741FKRB (V19701)) (OPT C1206CPX2741F10 (V56235))								1
600	900-14052-3011		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1064

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 600A	BCK3011FB		. . RESISTOR-3.01K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R209, R210) (SPEC 900-14052-3011) (OPT BCK3011FK (V01121)) (OPT CRCW1206-3011FT (V91637)) (OPT CRCW1206-3011FB (V91637)) (OPT RK73H2BTE3011F (V59124)) (OPT RK73H2BB3011F (V59124)) (OPT 9C12063A3011FKRT (V19701)) (OPT 9C12063A3011FKRB (V19701)) (OPT C1206CPX3011F10 (V56235))								2
605	900-14052-3093		DELETED								
605A	BCK3093FB		. . RESISTOR-309K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R206) (SPEC 900-14052-3093) (OPT BCK3093FK (V01121)) (OPT CRCW1206-3093FT (V91637)) (OPT CRCW1206-3093FB (V91637)) (OPT RK73H2BTE3093F (V59124)) (OPT RK73H2BB3093F (V59124)) (OPT 9C12063A3093FKRT (V19701)) (OPT 9C12063A3093FKRB (V19701)) (OPT C1206CPX3093F10 (V56235))								1
610	900-14052-3321		DELETED								
610A	BCK3321FB		. . RESISTOR-3.32K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R265) (SPEC 900-14052-3321) (OPT BCK3321FK (V01121)) (OPT CRCW1206-3321FT (V91637)) (OPT CRCW1206-3321FB (V91637)) (OPT RK73H2BTE3321F (V59124)) (OPT RK73H2BB3321F (V59124)) (OPT 9C12063A3321FKRT (V19701)) (OPT 9C12063A3321FKRB (V19701)) (OPT C1206CPX3321F10 (V56235))								1
615	900-14052-3482		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1065

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 615A	BCK3482FB		. . RESISTOR-34.8K, 1 PCT 1/8W (STATIC SENSITIVE PART) (V01121) (R212, R214, R218, R222) (SPEC 900-14052-3482) (OPT BCK3482FK (V01121)) (OPT CRCW1206-3482FT (V91637)) (OPT CRCW1206-3482FB (V91637)) (OPT RK73H2BTE3482F (V59124)) (OPT RK73H2BB3482F (V59124)) (OPT 9C12063A3482FKRT (V19701)) (OPT 9C12063A3482FKRB (V19701)) (OPT C1206CPA3482F10 (V56235))								4
620	BCK3831FB		. . RESISTOR-3.83K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R248) (SPEC 900-14052-3831) (OPT BCK3831FK (V01121)) (OPT CRCW1206-3831FT (V91637)) (OPT CRCW1206-3831FB (V91637)) (OPT RK73H2BTE3831F (V59124)) (OPT RK73H2BB3831F (V59124)) (OPT 9C12063A3831FKRT (V19701)) (OPT 9C12063A3831FKRB (V19701)) (OPT C1206CPX3831F10 (V56235))								1
625	BCK4022FB		. . RESISTOR-40.2K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R258) (SPEC 900-14052-4022) (OPT BCK4022FK (V01121)) (OPT CRCW1206-4022FT (V91637)) (OPT CRCW1206-4022FB (V91637)) (OPT RK73H2BTE4022F (V59124)) (OPT RK73H2BB4022F (V59124)) (OPT 9C12063A4022FKRT (V19701)) (OPT 9C12063A4022FKRB (V19701)) (OPT C1206CPX4022F10 (V56235))								1
630	900-14052-4752		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1066

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 630A	BCK4752FB		. . RESISTOR-47.5K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R161, R162, R177, R179, R180, R181, R196, R198) (SPEC 900-14052-4752) (OPT BCK4752FK (V01121)) (OPT CRCW1206-4752FT (V91637)) (OPT CRCW1206-4752FB (V91637)) (OPT RK73H2BTE4752F (V59124)) (OPT RK73H2BB4752F (V59124)) (OPT 9C12063A4752FKRT (V19701)) (OPT 9C12063A4752FKRB (V19701)) (OPT C1206CPX4752F10 (V56235))								8
635	900-14052-4872		DELETED								
635A	BCK4872FB		. . RESISTOR-48.7K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R1-R8, R17, R19, R21, R23, R25, R27, R29, R31, R33, R35, R37, R39, R41, R43, R45, R47, R49, R51, R53, R55, R57, R59, R61, R63, R65, R67, R69, R71, R73, R75, R77, R79, R81, R83, R85, R87, R89, R91, R93, R95, R97, R99, R101, R103, R105, R107, R109, R111, R113, R115, R117, R119, R121, R123, R125, R127) (SPEC 900-14052-4872) (OPT BCK4872FK (V01121)) (OPT CRCW1206-4872FT (V91637)) (OPT CRCW1206-4872FB (V91637)) (OPT RK73H2BTE4872F (V59124)) (OPT RK73H2BB4872F (V59124)) (OPT 9C12063A4872FKRT (V19701)) (OPT 9C12063A4872FKRB (V19701)) (OPT C1206CPX4872F10 (V56235))								64
640	900-14052-4993		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1067

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 640A	BCK4993FB		. . RESISTOR-499K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R216, R220, R223, R225) (SPEC 900-14052-4993) (OPT BCK4993FK (V01121)) (OPT CRCW1206-4993FT (V91637)) (OPT CRCW1206-4993FB (V91637)) (OPT RK73H2BTE4993F (V59124)) (OPT RK73H2BB4993F (V59124)) (OPT 9C12063A4993FKRT (V19701)) (OPT 9C12063A4993FKRB (V19701)) (OPT C1206CPX4993F10 (V56235))								4
645	900-14052-5111		DELETED								
645A	BCK5111FB		. . RESISTOR-5.11K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R262) (SPEC 900-14052-5111) (OPT BCK5111FK (V01121)) (OPT CRCW1206-5111FT (V91637)) (OPT CRCW1206-5111FB (V91637)) (OPT RK73H2BTE5111F (V59124)) (OPT RK73H2BB5111F (V59124)) (OPT 9C12063A5111FKRT (V19701)) (OPT 9C12063A5111FKFRB (V19701)) (OPT C1206CPX5111F10 (V56235))								1
650	900-14052-5620		DELETED								
650A	BCK5620FB		. . RESISTOR-562 OHMS, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R166, R173, R185, R192) (SPEC 900-14052-5620) (OPT BCK5620FK (V01121)) (OPT CRCW1206-5620FT (V91637)) (OPT CRCW1206-5620FB (V91637)) (OPT RK73H2BTE5620F (V59124)) (OPT RK73H2BB5620F (V59124)) (OPT 9C12063A5620FKRT (V19701)) (OPT 9C12063A5620FKRB (V19701)) (OPT C1206CPX5620F10 (V56235))								4
655	900-14052-6041		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1068

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 655A	BCK6041FB		. . RESISTOR-6.04K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R165, R167, R172, R174, R184, R186, R191, R193) (SPEC 900-14052-6041) (OPT BCK6041FK (V01121)) (OPT CRCW1206-6041FT (V91637)) (OPT CRCW1206-6041FB (V91637)) (OPT RK73H2BTE6041F (V59124)) (OPT RK73H2BB6041F (V59124)) (OPT 9C12063A6041FKRT (V19701)) (OPT 9C12063A6041FKRB (V19701)) (OPT C1206CPX6041F10 (V56235))								8
660	900-14052-6043		DELETED								
660A	BCK6043FB		. . RESISTOR-604K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R163, R170, R182, R189) (SPEC 900-14052-6043) (OPT BCK6043FK (V01121)) (OPT CRCW1206-6043FT (V91637)) (OPT CRCW1206-6043FB (V91637)) (OPT RK73H2BTE6043F (V59124)) (OPT RK73H2BB6043F (V59124)) (OPT 9C12063A6043FKRT (V19701)) (OPT 9C12063A6043FKRB (V19701)) (OPT C1206CPX6043F10 (V56235))								4
665	900-14052-6192		DELETED								
665A	BCK6192FB		. . RESISTOR-61.9K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R217, R221, R224, R226) (SPEC 900-14052-6192) (OPT BCK6192FK (V01121)) (OPT CRCW1206-6192FT (V91637)) (OPT CRCW1206-6192FB (V91637)) (OPT RK73H2BTE6192F (V59124)) (OPT RK73H2BB6192F (V59124)) (OPT 9C12063A6192FKRT (V19701)) (OPT 9C12063A6192FKRB (V19701)) (OPT C1206CPX6192F10 (V56235))								4
670	900-14052-6811		DELETED								

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1069

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1- 670A	BCK6811FB		. . RESISTOR-6.81K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R263) (SPEC 900-14052-6811) (OPT BCK6811FK (V01121)) (OPT CRCW1206-6811FT (V91637)) (OPT CRCW1206-6811FB (V91637)) (OPT RK73H2BTE6811F (V59124)) (OPT RK73H2BB6811F (V59124)) (OPT 9C12063A6811FKRT (V19701)) (OPT 9C12063A6811FKRB (V19701)) (OPT C1206CPX6811F10 (V56235))								1
675	900-14052-9092		DELETED								
675A	BCK9092FB		. . RESISTOR-90.9K, 1 PCT, 1/8W (STATIC SENSITIVE PART) (V01121) (R230) (SPEC 900-14052-9092) (OPT BCK9092FK (V01121)) (OPT CRCW1206-9092FT (V91637)) (OPT CRCW1206-9092FB (V91637)) (OPT RK73H2BTE9092F (V59124)) (OPT RK73H2BB9092F (V59124)) (OPT 9C12063A9092FKRT (V19701)) (OPT 9C12063A9092FKRB (V19701)) (OPT C1206CPX9092F10 (V56235))								1
680	JANTX1N3595		. . DIODE (CR76, CR78, CR81, CR84)								4
685	JANTX1N4112		. . DIODE (CR98)								1
690	JANTX1N4148-1		. . DIODE (CR1-CR72)								72
695	JANTX1N5552		. . DIODE (CR80, CR83, CR86, CR87, CR95)								5
700	JANTX1N5556		. . DIODE (CR77, CR79, CR82, CR85)								4
705	JANTX1N5615		. . DIODE (CR99-CR101)								3
710	JANTX1N5711		. . DIODE (CR75)								1

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1070

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
715	JANTX1N5806							. . DIODE (CR103)			1
720	JANTX1N6056A							. . DIODE (CR97)			1
725	JANTX1N5811							. . DIODE (CR96, CR102)			2
730	LT1004MH1-2883B							. . INTEGRATED CIRCUIT (V37964) (CR105)			1
735	JTXM19500-51902							. . DIODE-LIGHT EMITTING (DS1)			1
740	JTXM19500-52002							. . DIODE-LIGHT EMITTING (DS2)			1
745	JANTX2N2222A							. . TRANSISTOR (Q6)			1
750	JANTX2N6798							. . TRANSISTOR (STATIC SENSITIVE PART) (Q5)			1
755	S182-10802-5							DELETED			
755A	H00212-2							. . TRANSISTOR (STATIC SENSITIVE PART) (V59460) (Q1-Q4) (SPEC S182-10802-5)			4
760	BCREFA1426							DELETED			
760A	BCREFA109190							. . CRYSTAL (V81349) (CR64U12-000000MHZ) (Y1)			1
765	528AG37D							. . SOCKET (V91506) (XU45)			1
770	540AG37D							. . SOCKET (V91506) (XU33)			1
775	900-14112-1							DELETED			

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1071

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE	USAGE CODE	UNITS PER ASSY
1- 775A	BCREFA0357		. . CONNECTOR (V56249) (HPF160UMBK0320BEC) (P1) (SPEC 900-14112-1) (OPT BCREFA0358 (V50541))		1
780	SE12XC11		. . TERMINAL (E1-E3)		3
785	BACW10P324TF		. . WASHER		2
790	BACC30K		. . COLLAR		2
795	BACB30UC3VA		DELETED		
795A	BACR15BA3A		. . RIVET (SIZE DETERMINED ON INST)		2
800	285U0168-13		. . BRACKET		1
805	H10-04BAC		. . NUT (V15653) (SPEC BACN10JC04) (OPT NS202101-40 (V80539)) (OPT RMLH9075-40W (V72962)) (OPT T6S440J (V11815)) (OPT VN303A40 (V92215)) (OPT 96-40 (V80539)) (OPT BRH10A04 (V52828))		1
810	NAS620-4		. . WASHER		2
815	NAS600-6		. . SCREW		1
820	88-125		. . HANDLE (V07387)		1
825	BACR15BA2A		. . RIVET (SIZE DETERMINED ON INST)		4
830	906-30012-1		. . BOARD (USED ON ITEM 230)		1
-830A	906-30012-6		. . BOARD (USED ON ITEM 230A)		1
835	V230-1052		. . LOCK-WEDGE (V52094)		2
840	BAC27TEX1486		. . DECAL-STATIC SENSITIVE		1

-Item not Illustrated

23-27-03

ILLUSTRATED PARTS LIST

Page 1072

Mar 01/2006