

**TECHNICAL MANUAL
AVIATION UNIT AND INTERMEDIATE
TROUBLESHOOTING MANUAL
FOR
ARMY MODEL
AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)
MASTER FAILURE SYMPTOM INDEX**

SUPERSEDURE NOTICE: This manual supersedes TM 1-1520-238-T-2, dated 05 SEPTEMBER 1990, including all changes.

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**HEADQUARTERS, DEPARTMENT OF THE ARMY
31 AUGUST 1992**

CHANGE
NO. 8



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TECHNICAL MANUAL
AVIATION UNIT AND INTERMEDIATE
TROUBLESHOOTING MANUAL
FOR
ARMY MODEL AH-64A HELICOPTER
NSN: (1520-01-106-9519) EIC: (RHA)
MASTER FAILURE SYMPTOM INDEX

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OZONE DEPLETING CHEMICAL INFORMATION

This document has been reviewed for the presence of Class I Ozone depleting chemicals. As of Change 7 dated 27 February 1998, all references to Class I Ozone depleting chemicals have been removed from this document by substitution with chemicals that do not cause atmospheric Ozone depletion.

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TECHNICAL MANUAL
AVIATION UNIT AND INTERMEDIATE
TROUBLESHOOTING MANUAL

for

ARMY MODEL AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)

MASTER FAILURE SYMPTOM INDEX

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vii/(viii blank)
2-97 through 2-100

2-107 and 2-108
2-141 through 2-144

2-157 through 2-160

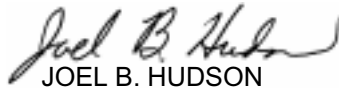
Insert pages

vii/(viii blank)
2-97 through 2-100
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2-107 and 2-108
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2-157 through 2-160

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TECHNICAL MANUAL
AVIATION UNIT AND INTERMEDIATE
TROUBLESHOOTING MANUAL
for
ARMY MODEL AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)
MASTER FAILURE SYMPTOM INDEX

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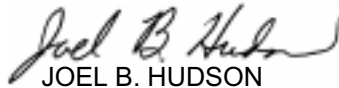
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Remove pages	Insert pages
i and ii	i and ii
vii/(viii blank)	vii/(viii blank)
1-1 and 1-2	1-1 and 1-2
2-15 and 2-16	2-15 and 2-16
----	2-16.1/(2-16.2 blank)
2-41 and 2-42	2-41 and 2-42
2-91 and 2-92	2-91 and 2-92
2-133 and 2-134	2-133 and 2-134
2-161 and 2-162	2-161 and 2-162
2-177 and 2-178	2-177 and 2-178
2-185 through 2-188	2-185 through 2-188
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TECHNICAL MANUAL
AVIATION UNIT AND INTERMEDIATE
TROUBLESHOOTING MANUAL

for

ARMY MODEL AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)

MASTER FAILURE SYMPTOM INDEX

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Remove pages

i and ii
vii/(viii blank)
2-11 and 2-12
2-15 through 2-18
2-29 through 2-34
——
2-35 and 2-36
2-55 and 2-56
——
2-57 and 2-58
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——
2-87 and 2-88
2-91 and 2-92
2-94.1/(2-94.2 blank)
2-97 and 2-98
(2-123 blank)/2-124
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2-157 and 2-158
2-161 and 2-162
2-169 and 2-170
2-181 and 2-182
2-185 and 2-186
Glossary 1 through Glossary 13/(Glossary
14 blank)

Insert pages

i and ii
vii/(viii blank)
2-11 and 2-12
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2-34.1/(2-34.2 blank)
2-35 and 2-36
2-55 and 2-56
2-56.1/(2-56.2 blank)
2-57 and 2-58
2-61 and 2-62
2-62.1/(2-62.2 blank)
2-87 and 2-88
2-91 and 2-92
2-94.1/(2-94.2 blank)
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(2-123 blank)/2-124
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2-157 and 2-158
2-161 and 2-162
2-169 and 2-170
2-181 and 2-182
2-185 and 2-186
Glossary 1 through Glossary 13/(Glossary
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TECHNICAL MANUAL

Aviation Unit and Intermediate
Troubleshooting Manual

for

ARMY MODEL AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)

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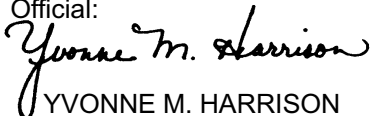
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Remove pages	Insert pages
v and vi	v and vi
vii/(viii blank)	vii/(viii blank)
2-19 and 2-20	2-19 and 2-20
2-43 through 2-50	2-43 through 2-50
2-55 and 2-56	2-55 and 2-56
2-75 and 2-76	2-75 and 2-76
2-83 through 2-86	2-83 through 2-86
—	2-86.1/(2-86.2 blank)
2-95 and 2-96	2-95 and 2-96
2-111 and 2-112	2-111 and 2-112
—	2-122.1 and 2-122.2
2-123 and 2-124	(2-123 blank)/2-124
—	2-130.1 and 2-130.2
2-131 and 2-132	(2-131 blank)/2-132
2-139 through 2-144	2-139 through 2-144
2-161 and 2-162	2-161 and 2-162
2-165 and 2-166	2-165 and (2-166 blank)
2-167 through 2-170	2-167 through 2-170
2-173 and 2-174	2-173 and 2-174
2-183 through 2-187/(2-188 blank)	2-183 through 2-188
A-1 and A-2	A-1 and A-2

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Aviation Unit and Intermediate
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v and vi

v and vi

2-5 and 2-6

2-5 and 2-6

2-171 and 2-172

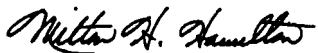
2-171 and 2-172

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TECHNICAL MANUAL

Aviation Unit and Intermediate
Troubleshooting Manual

for

ARMY MODEL
AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)

MASTER FAILURE SYMPTOM INDEX

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v and vi

2-45 and 2-46

2-141 and 2-142

Insert pages

v through iii/(viii blank)

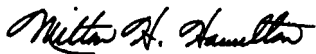
2-45 and 2-46

2-141 and 2-142

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TECHNICAL MANUAL

Aviation Unit and Intermediate
Troubleshooting Manual

ARMY MODEL
AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)

MASTER FAILURE SYMPTOM INDEX

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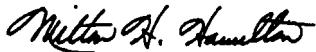
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Remove pages	Insert pages
v and vi	v and vi
2-1 and 2-2	2-1 and 2-2
—	2-2.1/(2-2.2 blank)
2-3 and 2-4	2-3 and 2-4
—	2-4.1/(2-4.2 blank)
2-17 and 2-18	2-17 and 2-18
2-19 and 2-20	2-19 and 2-20
2-37 and 2-38	2-37 and 2-38
2-93 and 2-94	2-93 and 2-94
—	2-94.1/(2-94.2 blank)
2-185 and 2-186	2-185 and 2-186

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Date of issue for original and change pages are:

Original 0 31 August 1992	Change 5 30 September 1996
Change 1 15 January 1993	Change 6 19 December 1997
Change 2 7 July 1993	Change 7 27 February 1998
Change 3 15 September 1993	Change 8 15 February 2002
Change 4 1 February 1996	

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 248, CONSISTING OF THE FOLLOWING:

Page No.	*Change No.	Page No.	*Change No.
Cover	0	2-43	0
Blank	0	2-44	4
A – B Added	8	2-45	2
i	8	2-46 – 2-47	4
ii – iv	0	2-48 – 2-49	0
v	3	2-50	4
vi	4	2-51 – 2-54	0
vii	7	2-55	4
viii Blank	7	2-56	5
1-1	0	2-56.1	5
1-2	6	2-56.2 Blank	5
1-3 – 1-7	0	2-57	5
1-8 Blank	0	2-58 – 2-61	0
2-1 – 2-2	1	2-62	5
2-2.1	1	2-62.1	5
2-2.2 Blank	1	2-62.2 Blank	0
2-3 – 2-4	1	2-63 – 2-75	0
2-4.1	1	2-76	4
2-4.2 Blank	1	2-77 – 2-83	0
2-5	0	2-84 – 2-86	4
2-6	3	2-86.1	4
2-7 – 2-10	0	2-86.2 Blank	4
2-11	5	2-87	0
2-12 – 2-14	0	2-88	5
2-15	6	2-89 – 2-90	0
2-16	8	2-91 – 2-92	6
2-16.1	6	2-93	0
2-16.2 Blank	6	2-94	1
2-17	5	2-94.1	5
2-18	0	2-94.2 Blank	5
2-19 – 2-20	4	2-95	4
2-21 – 2-28	0	2-96	0
2-29 – 2-31	5	2-97 – 2-98	7
2-32 – 2-33	0	2-99	0
2-34	5	2-100	7
2-34.1	3	2-100.1	7
2-34.2 Blank	5	2-100.2 Blank	7
2-35	5	2-101 – 2-107	0
2-36	0	2-108	7
2-37	1	2-109 – 2-110	0
2-38 – 2-41	0	2-111	4
2-42	6	2-112 – 2-122	0

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Page No.	*Change No.	Page No.	*Change No.
2-122.1	4	2-167	4
2-122.2	0	2-168	0
2-123 Blank	5	2-169 – 2-170	5
2-124	5	2-171	3
2-125 – 2-130	0	2-172	0
2-130.1 – 2-130.2	4	2-173 – 2-174	4
2-131 Blank	4	2-175 – 2-176	0
2-132	4	2-177 – 2-178	6
2-133	6	2-179 – 2-180	0
2-134 – 2-138	0	2-181	5
2-139 – 2-140	4	2-182	0
2-141	7	2-183 – 2-184	4
2-142	4	2-185	5
2-143 – 2-144	7	2-186 – 2-189	6
2-145 – 2-150	0	2-190 Blank	6
2-151	5	A-1	5
2-152 – 2-156	0	A-2	8
2-156.1 – 2-156.2	7	Glossary 1 – Glossary 2	5
2-157	7	Glossary 3	0
2-158	5	Glossary 4 – Glossary 7	5
2-159	7	Glossary 8 – Glossary 9	0
2-160	0	Glossary 10	5
2-161 – 2-162	6	Glossary 11	0
2-163 – 2-164	0	Glossary 12 – Glossary 13	5
2-165	4	Glossary 14 Blank	5
2-166 Blank	4		

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TECHNICAL MANUAL
AVIATION UNIT AND INTERMEDIATE
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ARMY MODEL
AH-64A HELICOPTER
(NSN 1520-01-106-9519) (EIC: RHA)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP, Redstone Arsenal, AL 35898-5230. A reply will be furnished directly to you.

You may also submit your recommended changes by E-mail directly to 2028@redstone.army.mil or by fax 205-842-6546/DSN 788-6546. Instructions for sending an electronic 2028 may be found at the end of this manual immediately preceding the hard copy 2028.

OZONE DEPLETING CHEMICAL INFORMATION:

This document has been reviewed for the presence of Class I Ozone depleting chemicals. As of Change 7 dated 27 February 1998, all references to Class I Ozone depleting chemicals have been removed from this document by substitution with chemicals that do not cause atmospheric Ozone depletion.

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* **SUPERSEDURE NOTICE:** This manual supersedes TM 1-1520-238-T-2, dated 05 SEPTEMBER 1990, including all changes.

HOW TO USE THIS VOLUME (cont)

GENERAL

If you can't find information, you cannot do the job. Learn how to use this volume. Check how the volume is put together. Look at the following examples and make sure you understand them before you go to the chapters of the volume.

MASTER FAILURE SYMPTOM INDEX

The master failure symptoms listed in this volume are in alphanumeric sequence. Each entry in the master failure system index Table 2-1. contains a failure symptom, a technical manual (TM) reference, and the MOC to isolate the fault. An example follows.

Table 2-1. Master Failure Symptom Index

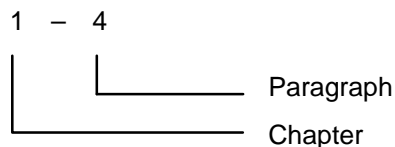
Failure Symptom	Reference	MOC
STAB AUTO DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR

CHAPTERS AND SECTIONS

This volume is made up of chapters and sections. The chapters are made up of numbered paragraphs and tables. Chapter 1 contains general information, how to use this manual, and display symbology. Chapter 2 contains failure symptom information.

PARAGRAPHS

Paragraph numbers are in two parts. The first is the chapter number. The second is the paragraph number. Each number is separated by a dash as shown in the example:

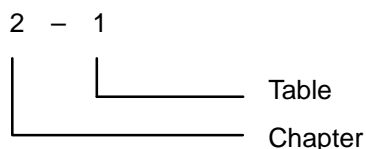


TABLES

Chapter 2 contains Table 2-1. This table refers you to the appropriate TM reference and system MOC you should use to isolate a fault.

TABLE NUMBERING

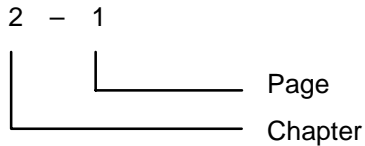
Table numbers have two parts. The first is the chapter number. The second is the table number. Each number is separated by a dash as shown in the example:



HOW TO USE THIS VOLUME (cont)

PAGE NUMBERING

All page numbering is by chapters. The first number represents the chapter and the second number represents the page in that chapter. The numbers are separated by a dash as shown in the example:



USING AH-64A HELICOPTER EFFECTIVITY CODES

Helicopter effectivity codes designate differences between helicopters by helicopter serial numbers. These codes consist of three letters representing various helicopter serial number blocks. They are used throughout this volume as necessary to aid in the helicopter troubleshooting effort.

The codes are used to designate serial number block differences for applicable failure symptoms. When used within the failure symptoms the effectivity codes appear within parenthesis.

For Example: For example: Failure Symptom (AAA).

This volume uses these effectivity codes and corresponding helicopter serial numbers for reference.

To use the helicopter effectivity codes, note the helicopter serial number on the left side of the fuselage directly below the CPG window. Use this serial number to determine which procedure or path in a wiring interconnect diagram or FIP to use.

The effectivity codes and helicopter serial number blocks applicable to this volume are as follows:

<u>Effectivity Code</u>	<u>Helicopter Serial No.</u>
AAA	82-23355 thru 82-23365
AAB	82-23355 thru 83-23798
AAC	82-23355 thru 83-23814
AAD	85-25424 and subsequent
AAE	82-23355 thru 84-24231
AAF	84-24216 and subsequent
AAG	82-23355 thru 84-24289
AAH	82-23355 thru 85-25398
AAJ	85-25351 and subsequent
AAK	82-23355 thru 85-25488
AAL	88-0215 and subsequent
AAM	85-25465 and subsequent

HOW TO USE THIS VOLUME (cont)

<u>Effectivity Code</u>	<u>Helicopter Serial No.</u>
AAN	83-23787 thru 85-25415
AAP	82-23355 thru 88-0214
AAQ	82-23355 thru 84-24311
AAR	82-23355 thru 84-24239
AAS	84-24240 and subsequent
AAT	82-23355 thru 83-23804
AAU	83-23787 and subsequent
AAV	83-23805 and subsequent
AAW	83-23799 and subsequent
AAX	83-23799 thru 84-24245
AAZ	83-23799 thru 85-25470 (Before MWO 1-1520-238-50-37)
AAZ	83-23815 and subsequent
ABA	84-24200 and subsequent
ABB	84-24246 and subsequent
ABC	84-24290 and subsequent
ABD	82-23355 thru 85-25415
ABE	82-23355 thru 84-24295
ABF	84-24296 and subsequent
ABG	85-25399 and subsequent
ABH	82-23355 thru 84-24245
ABJ	85-25447 and subsequent
ABK	82-23355 thru 85-24446
ABL	82-23355 thru 89-0215
ABM	84-24290 thru 88-0199
ABN	89-0192 and subsequent
ABP	85-25471 and subsequent
ABQ	86-8940 and subsequent
ABR	82-23355 thru 84-24232
ABS	84-24233 and subsequent
ABT	82-23355 thru 83-23816
ABU	83-23817 thru 85-25415
ABV	84-24246 thru 85-25398
ABW	82-23355 thru 83-23795
ABX	83-23796 and subsequent

HOW TO USE THIS VOLUME (cont)

<u>Effectivity Code</u>	<u>Helicopter Serial No.</u>
ABY	With T700-GE 701 engines
ABZ	With T700-GE 701C engines
ACA	82-23355 thru 88-0199
ACB	88-0200 and subsequent
ACC	82-23355 thru 83-23834
ACD	85-25416 and subsequent
ACE	82-23355 thru 86-9011
ACF	82-23355 thru 88-0284
ACG	89-0192 and subsequent
ACH	82-23355 thru 85-25423
ACJ	82-23355 thru 90-0290, 90-0292 thru 90-0301 (Before MWO 1-1520-238-50-07)
ACK	82-23355 thru 90-0290, 90-0292 thru 90-0301 (After MWO 1-1520-238-50-07) 90-0291, 90-0302 and subsequent
ACL	82-23355 thru 83-23814
ACM	83-23815 and subsequent
ACN	85-25471 thru 90-0448 (Before MWO 1-1520-238-50-37)
ACP	85-25471 thru 90-0448 (After MWO 1-1520-238-50-37) 90-0449 and subsequent
ACQ	82-23355 thru 90-0448 (Before MWO 1-1520-238-50-36)
ACR	82-23355 thru 90-0448 (After MWO 1-1520-238-50-36) 90-0449 and subsequent
ACS	82-23355 thru 90-0437
ACT	90-0438 and subsequent
ACU	82-23355 thru 90-0436
ACV	89-0192 thru 90-0434 with T700-GE-701C engines (Before MWO 1-1520-238-50-38)
ACW	89-0192 thru 90-0434 with T700-GE-701C engines (After MWO 1-1520-238-50-38) 90-0435 and subsequent with T700-GE-701C engines
ACY	82-23355 thru 92-0485 (Before MWO 9-1230-476-50-01)
ACZ	82-23355 thru 92-0485 (After MWO 9-1230-476-50-01) 94-0328 and subsequent

HOW TO USE THIS VOLUME (cont)

<u>Effectivity Code</u>	<u>Helicopter Serial No.</u>
ADA	Before MWO 1-1520-238-50-40
ADB	After MWO 1-1520-238-50-40
ADC	Before MWO 1-1520-238-50-49
ADD	After MWO 1-1520-238-50-49
ADH	Before MWO 1-1520-238-50-15
ADI	After MWO 1-1520-238-50-15
ADN	AN/APR-39(V)1 installed
ADO	AN/APR-39A(V)1 installed
ADP	After MWO 1-1520-238-50-50

APPENDIX

Appendix A contains a list of other manuals you might need to do your job.

GLOSSARY

The glossary contains a list of abbreviations and acronyms. An abbreviation is a shortened form of a word, expression or phrase used to conserve space and time. Acronyms are shortened terms for several words and usually use only the first letter of each word. Abbreviations and acronyms are defined the first time they are used within the text of each chapter. The glossary is the place to check if there is any doubt. The glossary also contains definitions of unusual terms that appear in this volume. Check the list of definitions if you see a word that you're not sure of.

CHAPTER 1 INTRODUCTION

CHAPTER INDEX

<u>Para Title</u>	<u>Para No.</u>
Section I. GENERAL INFORMATION	
Scope	1-1
Maintenance Forms, Records and Reports	1-2
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Quality Assurance/Quality Control (QA/QC)	1-4
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Data Presentation	1-8
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Section I. GENERAL INFORMATION

1-1.	SCOPE	1-1
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This volume provides an alphabetical master failure symptom index to aid in isolating and locating AVUM and/or AVIM maintenance procedures to be used on the helicopter.

1-2.	MAINTENANCE FORMS, RECORDS, AND REPORTS	1-2
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Equipment maintenance forms for the Department of the Army will be those prescribed by DA PAM 738-751, Functional Users Manual for the Army Maintenance Management System-Aircraft (TAMMS-A).

1-3.	DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE	1-3
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Required destruction procedures are in TM 750-244-1-5.

1-4.	QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)	1-4
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Required quality assurance information is explained in FM 55-411.

1-5.	DEFICIENCY REPORTING	1-5
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If your helicopter needs correction or improvement, let us know. Send us a Deficiency Report. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know what you don't like about the design. Put it on a SF 368 (Deficiency Report). Mail it to us at: Commander, U.S. Army Aviation and Missile Command, Attn: AMSAM-MMC-RE-FD, Redstone Arsenal, AL 35898-5230. A reply will be furnished to you.

Section II. HOW TO USE THIS MANUAL

1-6.	FUNCTION OF EACH VOLUME OF THE MANUAL	1-6
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There are ten volumes in this manual, TM 1-1520-238-T-1 through TM 1-1520-238-T-10.

NOTE

Use volume TM 1-1520-238-T-2 first when troubleshooting.

a. **TM 1-1520-238-T-1, Fault Detection/Location System (FD/LS).** TM 1-1520-238-T-1 is a kneepad-sized volume which integrates all FD/LS checks, power up and power down procedures, auxiliary power unit (APU) operating and emergency procedures, and references to the appropriate volume(s) to aid in fault isolation.

1-6. FUNCTION OF EACH VOLUME OF THE MANUAL (cont)

1-6

b. **TM 1-1520-238-T-2, Master Failure Symptom Index.** TM 1-1520-238-T-2 lists all integrated troubleshooting failure symptoms in alphabetical order. Each failure symptom refers you to the appropriate MOC in another volume. Additional troubleshooting information can be found by using the display symbology data found in chapter 1. You can refer to this volume for all types of failures, i.e., audio/visual, loss of power, short or open exists, etc.

c. **TM 1-1520-238-T-3, Multiplex (MUX) Read Codes.** TM 1-1520-238-T-3 contains Multiplex (MUX) Read Code interpretations by system. You are directed to go to this volume from MOCs in subsystem volumes. You can use this volume as an aid to interpret MUX read codes and locate faults. You are directed to the appropriate volume, to remove or replace a failed LRU or to a failure symptom within this volume.

d. **TM 1-1520-238-T-4, Aviation Unit and Intermediate Troubleshooting Manual.** TM 1-1520-238-T-4 contains system location and description, theory of operation, electrical component location and configuration (ECLC) index, power up/power down procedures, MOCs, wiring interconnect diagrams, and fault isolation procedures (FIPs). The following systems are covered in this volume:

- Airframe.
- Landing Gear.
- Power Plants.
- Rotors.
- Drive.

e. **TM 1-1520-238-T-5, Aviation Unit and Intermediate Troubleshooting Manual.** TM 1-1520-238-T-5 contains system location and description, theory of operation, ECLC index, power up/power down procedures, MOCs, wiring interconnect diagrams, and FIPs. The following systems are covered in this volume:

- Hydraulic and Pneumatic.
- Instruments.

f. **TM 1-1520-238-T-6, Aviation Unit and Intermediate Troubleshooting Manual.** TM 1-1520-238-T-6 contains subsystem location and description, theory of operation, ECLC index, power up/power down procedures, MOCs, wiring interconnect diagrams, FIPs and FD/LS NO-GO FIPs. The following system is covered in this volume:

- Electrical.

g. **TM 1-1520-238-T-7, Aviation Unit and Intermediate Troubleshooting Manual.** TM 1-1520-238-T-7 contains system location and description, theory of operation, ECLC index, power up/power down procedures, MOCs, wiring interconnect diagrams, FIPs and FD/LS NO-GO FIPs. The following systems are covered in this volume:

- Fuel.
- Flight Control.

1-6. FUNCTION OF EACH VOLUME OF THE MANUAL (cont)

1-6

h. **TM 1-1520-238-T-8, Aviation Unit and Intermediate Troubleshooting Manual.** TM 1-1520-238-T-8 contains system location and description, theory of operation, ECLC index, power up/power down procedures, MOCs, wiring interconnect diagrams, FIPs and FD/LS NO-GO FIPs. The following systems are covered in this volume:

- Utility.
- Environmental Control.
- Hoists and Winches (not applicable).
- Auxiliary Power Unit.
- Mission Equipment.

i. **TM 1-1520-238-T-9, Theory of Operation.** TM 1-1520-238-T-9 contains description and theory of operation for each aircraft system. This information includes signal flow diagrams for major system functions and explanatory text with the appropriate signal name for each input or output. This information can be used to isolate unanticipated faults for failure symptoms or related data which do not exist.

j. **TM 1-1520-238-T-10, Wiring Diagrams.** TM 1-1520-238-T-10 provides point-to-point wiring for each aircraft system. The diagrams show LRUs, cable interfaces, splices, shielding, ground studs, etc. Each cable location and connection can be found in the wire harness location and routing diagrams. This volume also contains connector end view diagrams and a symbol chart for the various wiring diagram symbols used.

k. **Summary.** By using these volumes, you will be able to perform inclusive troubleshooting on the helicopter. TM 1-1520-238-T-2 directs you to the appropriate volume when you know the failure symptom. TM 1-1520-238-T-1, and TM 1-1520-238-T-3 through TM 1-1520-238-T-8 aid you in isolating faults and making repairs. TM 1-1520-238-T-9 and TM 1-1520-238-T-10 give you additional information to help you troubleshoot the helicopter.

1-7. TROUBLESHOOTING EXAMPLES

1-7

The following troubleshooting examples illustrate how the volumes should be used together to locate and isolate faults.

a. **Example Using TM 1-1520-238-T-3 Multiplex (MUX) Read Code Volume.**

(1) Assume the following failure symptom is known – ADS INDICATOR LIGHTS (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO OFF).

(2) Find the failure symptom in the master failure symptom index Table 2-1., TM 1-1520-238-T-2. (The **Reference** column specifies TM 9-1230-476-20-2, and the **MOC** column specifies AIR DATA SYSTEM.)

(3) Refer to TM 9-1230-476-20-2 and read HOW TO USE THIS MANUAL and chapter 1 to become familiar with the manual.

(4) Go to the MOC (para 3-14), AIR DATA SYSTEM – MAINTENANCE OPERATIONAL CHECK.

(5) Perform the MOC in paragraph 3-14. Step b. in the **Task** column instructs you to verify **PITOT ICE DET AD SNSR** switch is **OFF** and CPG **AUX/ANTI-ICE** panel **ADSS** switch is set to **ADSS** position. The **Result** column directs you to TM 1-1520-238-T-3 to perform troubleshooting. Then if no fault is found, go to the paragraph indicated.

1-7. TROUBLESHOOTING EXAMPLES (cont)

1-7

- (6) Refer to TM 1-1520-238-T-3 and read HOW TO USE THIS VOLUME and chapter 1 to become familiar with the volume.
- (7) In TM 1-1520-238-T-3, go to chapter 2 (Air Data System (ADS) Multiplex Read Codes).
- (8) Find the symptom in the master failure symptom index. (The **Refer to paragraph** column specifies para 2-1.)
- (9) Go to paragraph 2-1 and enter the specified memory location code. (For this example, assume a FAIL occurs at para 2-2.)
- (10) Troubleshoot using the system manual (TM 9-1230-476-20-2) as instructed in paragraph 2-2.

b. Example Using System Volume.

- (1) Assume the following failure symptom is known – Pilot **TGT** indicator vertical scales or digital readouts do not indicate ambient temperature ($\pm 5^\circ$).
- (2) Find the failure symptom in the master failure symptom index Table 2-1. (The **Reference** column specifies TM 1-1520-238-T-5, and the **MOC** column specifies ENGINE INSTRUMENTS.)
- (3) Refer to TM 1-1520-238-T-5 and read HOW TO USE THIS VOLUME and chapter 1 to become familiar with the volume.
- (4) Go to ENGINE INSTRUMENTS – MAINTENANCE OPERATIONAL CHECK (para 8-10).
- (5) Perform the MOC. Step m. in the **Task** column instructs you to rotate **DIM** control to midposition and check all pilot engine instruments. The **Result** column directs you to a FIP if the failure symptom in step (1) of this example still exists.
- (6) Perform the indicated FIP to correct problem.

Section III. DISPLAY SYMBOLOGY DATA

1-8. DATA PRESENTATION

1-8

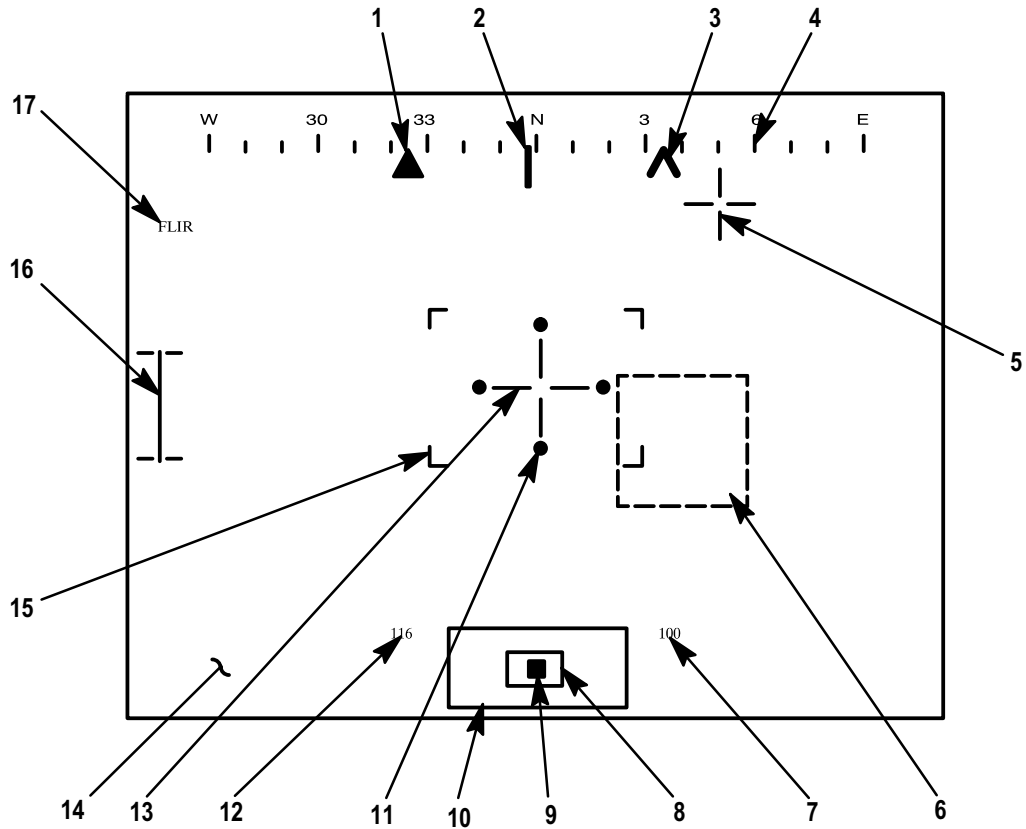
Often you will track a fault by analyzing the display symbology and readouts on the pilot video display unit (VDU) and CPG heads out display (HOD). The following figures help you locate precisely where a piece of symbology appears on the VDU and the HOD.

1-9. DATA ARRANGEMENT

1-9

The figures provide symbol nomenclature, applicable subsystem in parentheses, and the item number in the corresponding figure.

- a. Pilot helmet display unit (HDU) and VDU display symbology data is provided in figure 1-1.
- b. CPG HDU and HOD symbology data is provided in figure 1-2.



1. ALTERNATE SENSOR BEARING (PNVS)
2. LUBBER LINE (NAVIGATION)
3. COMMAND HEADING (NAVIGATION)
4. HEADING SCALE (NAVIGATION)
5. CUED LOS RETICLE (TADS)
6. MISSILE CONSTRAINTS (TADS)
7. RADAR ALTITUDE (NAVIGATION)
8. FIELD OF VIEW (TADS)
9. CUED LOS DOT (TADS)
10. SENSOR FIELD OF REGARD (TADS)
11. CUEING DOTS (TADS)
12. AIRSPEED (AIR DATA)
13. LOS RETICLE (TADS)
14. HIGH ACTION DISPLAY (MULTIPLEX)
15. TADS FOV GATES (TADS)
16. ROCKET STEERING CURSOR (TADS)
17. SELECTED SENSOR (TADS)

Figure 1-2. CPG HDU and HOD Display Symbology

CHAPTER 2

MASTER FAILURE SYMPTOM INDEX

INTRODUCTION

Chapter 2 contains failure symptoms and references for troubleshooting all systems for the following:

- Power is not available to the equipment.
- Circuit breakers do not stay closed.
- Panel edge-light failure.
- Caution and warning indicators lighting.
- Maintenance FD/LS NO-GO messages.
- Missing or improper display symbology.
- Audio/visual faults.

Table 2-1. Master Failure Symptom Index

Failure Symptom	Reference	MOC
1000 HZ TONE IS NOT HEARD (ADF CONTROL PANEL: MODE CONTROL SET TO ANT, MAN/2128/500 CONTROL SET TO MAN, FREQUENCY CONTROLS SET TO DESIRED STATION, TEST/TONE SWITCH SET TO CENTER AND VOL CONTROL SET AS DESIRED)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
115 VAC IS NOT PRESENT FROM AC ELEC UTIL PWR CIRCUIT BREAKER (CB6) (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	EXTERNAL POWER AND GROUND SERVICE UTILITY RECEPTACLE
0200 CANNOT BE ENTERED INTO RC/MC (RUN/LOAD SWITCH HELD TO LOAD)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
12D IS NOT DISPLAYED ON THE CENTER DISPLAY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DEST/TGT, DEST DISP THUMBWHEEL SET TO P AND KEYBOARD KEYS ACTIONED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
12L IS NOT DISPLAYED ON CENTER DISPLAY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DEST/TGT, DEST DISP THUMBWHEEL SET TO P AND KEYBOARD KEYS ACTIONED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
2 OR MORE PYLONS DO NOT MOVE (PYLON ACTG SWITCH SET TO UP AND THEN DOWN)	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
26 VAC EXCITATION XFMR 1 NO-GO AFT AVIONICS BAY APPEARS ON HOD	TM 1-1520-238-T-7	DASE
26 VAC EXCITATION XFMR 2 NO-GO AFT AVIONICS BAY APPEARS ON HOD	TM 1-1520-238-T-7	DASE
28 VDC BUCS NO-GO APPEARS ON HOD	TM 1-1520-238-T-7	DASE
28 VDC IS NOT PRESENT (CPG COLLECTIVE STICK: ST JTSN SWITCH PRESSED AND RELEASED)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
28 VDC IS NOT PRESENT FROM DC ELEC UTIL PWR CIRCUIT BREAKER (CB7) (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	EXTERNAL POWER AND GROUND SERVICE
28 VDC IS NOT PRESENT ON METER AND LAMP DOES NOT LIGHT (PILOT COLLECTIVE STICK: ST JTSN SWITCH PRESSED AND RELEASED)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
28 VDC IS NOT PRESENT (PILOT COLLECTIVE STICK: ST JTSN SWITCH PRESSED AND RELEASED)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
28 VDC IS NOT PRESENT (PILOT STORES JETT PANEL: STORES JETT SWITCH CLOSED UP AND RELEASED)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
800 HZ TONE IS NOT HEARD (ADF RCVR CONTROL PANEL: MODE SWITCH SET TO CW)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF)
ABNORMAL AFT STROBE APPEARS (RADAR WARNING CONTROL PANEL: DSCRM SWITCH SET TO ON AND SELF TEST KEY PRESSED)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1
ABNORMAL FORWARD STROBE APPEARS (RADAR WARNING CONTROL PANEL: DSCRM SWITCH SET TO ON AND SELF TEST KEY PRESSED)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ACCEPT INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT FOR EACH MODE (PILOT IFF TRANSPONDER CONTROL PANEL: MASTER SWITCH SET TO EMER, M-1, M-2, M-3/A AND M-C TEST SWITCHES SET TO OUT)	TM 11-1520-238-23-2	IFF SYSTEM
ACCEPT INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 TEST SWITCH SET TO B)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ACCEPT INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 TEST SWITCH SET TO ON)	TM 11-1520-238-23-2	IFF SYSTEM
ACCEPT INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: RAD TEST SWITCH SET TO RAD TEST)	TM 11-1520-238-23-2	IFF SYSTEM
ACCEPT INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 SWITCH SET TO B) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
ADF AUDIO CANNOT BE ADJUSTED USING VOL CONTROL (ADF CONTROL PANEL: MODE CONTROL SET TO ANT, MAN/2128/500 CONTROL SET TO MAN, FREQUENCY CONTROLS SET TO DESIRED STATION, TEST/TONE SWITCH SET TO CENTER AND VOL CONTROL SET AS DESIRED)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
ADF AUDIO IN PILOT AND CPG HEADSET IS NOT PRESENT (ADF CONTROL PANEL: MODE CONTROL SET TO ANT, MAN/2128/500 CONTROL SET TO MAN, FREQUENCY CONTROLS SET TO DESIRED STATION, TEST/TONE SWITCH SET TO CENTER AND VOL CONTROL SET AS DESIRED)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
ADF CONTROL PANEL EDGE-LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: R/CTR CSL CONTROL SET TO BRT)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
ADF RCVR CONTROL PANEL EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: R/CTR CSL CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ADF TRANSFORMER ASSEMBLY NAV CIRCUIT BREAKER (CB95) DOES NOT STAY CLOSED	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
ADMIN PWR OFF PAGE IS NOT DISPLAYED (CDU: VAB NEXT TO DISPLAYED WORD ADMIN PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
ADS INDICATOR LIGHTS (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO OFF)	TM 9-1230-476-20-2	AIR DATA SYSTEM
ADS INDICATORS DO NOT LIGHT (PILOT FORWARD CIRCUIT BREAKER PANEL: NAV AIR DATA DC CIRCUIT BREAKER OPENED)	TM 9-1230-476-20-2	AIR DATA SYSTEM
ADS INDICATORS REMAIN LIGHTED (PILOT CENTER CIRCUIT BREAKER PANEL: NAV AIR DATA DC CIRCUIT BREAKER CLOSED)	TM 9-1230-476-20-2	AIR DATA SYSTEM
AFT AVIONICS BAY FAN IS NOT OPERATING	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
AFT CLOSED INDICATOR IS LIGHTED (REFUELING PANEL: LVL CONT VALVES AFT TNK SWITCH SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
AFT CLOSED INDICATOR IS NOT LIGHTED (REFUELING PANEL: LVL CONT VALVES AFT TNK SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
AFTER 15 SECONDS THE FIRST TWO POSITIONS OF THE LEFT DISPLAY DO NOT INDICATE GO (CPG DPLR NAV PANEL: MODE SWITCH SET TO TEST)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
AFTER 2 SECONDS TEST, JAM AND GO INDICATORS DO NOT LIGHT AND STAY LIGHTED FOR 3 SECONDS (PILOT INSTRUMENT PANEL: JAM/TEST/GO/ NO-GO INDICATOR MOMENTARILY PRESSED AND RELEASED)	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AFTER 45-75 SECONDS IR JAM CAUTION INDICATOR REMAINS LIGHTED (IRCM CONTROL UNIT: ON/OFF SWITCH SET TO ON)	TM 11-1520-238-23-2	IR JAMMER SYSTEM AN/ALQ-144
AFT FUEL QTY INDICATION INCREASES WITH AFT TNK SWITCH SET TO CLOSE (REFUELING PANEL: LVL CONT VALVE SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
AFT FUEL QTY INDICATOR DOES NOT INDICATE AFT FUEL LOAD (REFUELING PANEL: FUEL QTY SWITCH SET TO IND ON)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
AFT FUEL QTY INDICATOR DOES NOT INDICATE AFT FUEL LOAD (REFUELING PANEL: FUEL QTY SWITCH SET TO IND ON)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
AFT FUEL QTY INDICATOR DOES NOT INDICATE E (FUEL TRUCK UNABLE TO DEFUEL FORWARD FUEL CELL)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AFT FUEL QTY INDICATOR DOES NOT INDICATE E (REFUELING PANEL: FUEL QTY SWITCH SET TO OFF)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
AFT FUEL QTY INDICATOR DOES NOT INDICATE E (REFUELING PANEL: FUEL QTY SWITCH SET TO OFF)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
AFT FUEL QTY INDICATOR DOES NOT INDICATE SAME FUEL LOAD AS PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY (REFUELING PANEL: REFUEL VALVE SWITCH SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
AFT FUEL QTY INDICATOR DOES NOT SHOW INCREASE DURING PRESSURE REFUELING	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
AFT VERTICAL DISPLAY SCALE ON PILOT FUEL QUANTITY INDICATOR DOES NOT SHOW INCREASE (PILOT FUEL PANEL: EXT TK SWITCH SET TO ON)	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
AIRCRAFT PHYSICAL DAMAGE IS EVIDENT (APU OPERATING)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
AIRCRAFT SYMBOL DOES NOT MOVE UP AND DOWN ON FACE OF SAI GYROSPHERE (PILOT SAI: PULL TO CAGE KNOB ROTATED CLOCKWISE AND COUNTERCLOCKWISE)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
AIR DATA AC OR AIR DATA DC CIRCUIT BREAKERS DO NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
AIR DATA PROCESSOR NO-GO AFT AVIONICS BAY APPEARS ON HOD	TM 1-1520-238-T-7	DASE
AIR DATA PROCESSOR NO-GO AFT AVIONICS BAY APPEARS ON HOD	TM 9-1230-476-20-2	AIR DATA SYSTEM
AIR DOES NOT FLOW THROUGH VENT TUBE DURING PRESSURE REFUELING	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AIRFLOW PRESENT AT SDC OVERBOARD EXHAUST (EXTERNAL PRESSURIZED AIR POWER APPLIED)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
AIRSPEED TRANSDUCER 1 NO-GO LH XMSN BAY APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR
AIRSPEED TRANSDUCER 2 NO-GO LH XMSN BAY APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR
ALARM AUDIO CANNOT BE HEARD IN BOTH HEADSETS AFTER 6 SECONDS (RADAR WARNING CONTROL UNIT: SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
ALARM AUDIO IS NOT PRESENT WITHIN 6 SECONDS AFTER SECOND STROBE APPEARS (RADAR WARNING CONTROL UNIT: DSCRM SWITCH SET TO ON AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
ALARM TONE IS NOT CLEARED (TRANSMIT SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	TSEC/KY-58 COMMUNICATIONS SECURITY SYSTEM
ALARM TONE IS NOT PRESENT IN HEADSETS (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 SWITCH SET TO AUDIO)	TM 11-1520-238-23-2	TSEC/KY-58 COMMUNICATIONS SECURITY SYSTEM
ALARM TONE IS NOT PRESENT IN HEADSETS (RCU: C/RAD 1 SWITCH SET TO C/RAD 1)	TM 11-1520-238-23-2	TSEC/KY-58 COMMUNICATIONS SECURITY SYSTEM
ALL CAUTION/WARNING INDICATORS ARE NOT LIGHTED OR FLASHING (CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
ALL CAUTION/WARNING INDICATORS ARE NOT LIGHTED OR FLASHING (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ALL CHANNEL 1, NO. 1 INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CHANNEL 1, NO. 1 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 1, NO. 2 INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CHANNEL 1, NO. 2 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 2, NO. 1 INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CHANNEL 2, NO. 1 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 2, NO. 2 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 2, NO. 3 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 3, NO. 1 INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ALL CHANNEL 3, NO. 1 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 3, NO. 2 INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CHANNEL 3, NO. 2 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 3, NO. 3 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 4, NO. 1 INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CHANNEL 4, NO. 1 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 4, NO. 2 INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CHANNEL 4, NO. 1 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 4, NO. 2 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ALL CHANNEL 4, NO. 3 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CHANNEL 4, NO. 4 INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL CPG EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CPG ENGINE INSTRUMENT DIGITAL READOUTS ARE BLANKED (CPG DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO NORM)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ALL CPG INSTRUMENT PANEL EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CPG ENGINE INSTRUMENTS DO NOT INDICATE FULL SCALE OR SHOW DIGITAL 888 (CPG DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ALL CPG ENGINE INSTRUMENTS HAVE EVERY OTHER VERTICAL SCALE INDICATOR NOT LIGHTED (CPG SDD: SELECT SWITCH SET TO SELECT AND TEST BUTTON PRESSED)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ALL CPG LEFT CONSOLE EDGE-LIGHTS ARE NOT LIGHTED (CPG INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL CPG MASTER CAUTION/WARNING INDICATORS ARE NOT LIGHTED (CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ALL CPG RIGHT CONSOLE EDGE-LIGHTS ARE NOT LIGHTED (CPG INTR LT PANEL: R CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
ALL DIGITAL READOUTS REMAIN LIGHTED (CPG DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ALL FOUR MISSILE LAUNCHER NO-GO'S APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
ALL GLARESHIELD SECONDARY LIGHTS LIGHT IN ONE POSITION AND NOT THE OTHER (CPG INTR LT PANEL: FLOOD CONTROL ROTATED TO DIM THEN BRT)	TM 1-1520-238-T-6	CPG UTILITY AND SECONDARY LIGHTS
ALL NO-GO MESSAGES EXCEPT GROUP D NO-GO APPEARS ON HOD	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
ALL PILOT ENGINE INSTRUMENTS DO NOT INDICATE FULL SCALE OR DIGITAL 888 (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ALL PILOT ENGINE INSTRUMENTS HAVE EVERY OTHER VERTICAL DISPLAY LAMP NOT LIGHTED (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ALL PILOT FUEL QUANTITY INDICATOR LAMP SEGMENTS ARE NOT LIGHTED (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TEST SWITCH SET TO TST)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
ALL PILOT INSTRUMENT PANEL EDGE-LIGHTS ARE NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL PILOT LEFT CONSOLE EDGE-LIGHTS ARE NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ALL PILOT MASTER CAUTION/ WARNING INDICATORS ARE NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ALL PILOT RIGHT CENTER CONSOLE EDGE-LIGHTS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: R/CTR CSL ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
ALL PYLON ACTUATOR CONTROLLER NO-GO APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL PYLON ACTUATORS DO NOT GO TO FLIGHT STOW (ADC)	TM 1-1520-238-T-3	PYLONS
ALL PYLON ACTUATORS DO NOT GO TO FIRING POSITION (PILOT CYCLIC STICK: R/G/M/C SWITCH SET TO R)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL PYLON ACTUATORS DO NOT GO TO FLIGHT STOW (CPG FC PANEL: MSL SWITCH SET TO ON)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL PYLON ACTUATORS DO NOT GO TO FLIGHT STOW (PYLON ACTG SWITCH SET TO UP)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL PYLON ACTUATORS DO NOT GO TO FLIGHT STOW (PILOT FC PANEL: RKT SWITCH SET TO NORM)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL PYLON ACTUATORS DO NOT GO TO FLIGHT STOW (PILOT MSL PANEL: MSL SWITCH SET TO ON)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL PYLON ACTUATORS DO NOT GO TO FLIGHT STOW (SQUAT SWITCH FIXTURE INSTALLED)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL PYLON ACTUATORS DO NOT RETURN TO GROUND STOW (PYLON ACTG SWITCH SET TO DOWN)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
ALL SECONDARY LIGHTS LIGHT IN ONE POSITION AND NOT IN THE OTHER (PILOT EXT LT/INTR LT PANEL: FLOOD CONTROL ROTATED TO DIM THEN TO BRT)	TM 1-1520-238-T-6	PILOT UTILITY AND SECONDARY LIGHTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ALL WAYPOINT LOCATIONS (H AND 1 THRU 19) DO NOT CONTAIN THE FOLLOWING DATA: LINE 1 3IT BV 6355-8711 AND LINE 2 E000.0 CL6 (CDU: FPLN FAB DISPLAY DEPRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
ANTI ICE PANEL DOES NOT BRIGHTEN (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
ANY DESIGNATED DISPLAY (OR A SYSTEM NO-GO) DOES NOT APPEAR ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
ANY INDICATORS DO NOT LIGHT WHEN SELECTED (CPG SDD PANEL: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ANY SECTION OF JAM/TEST/GO/ NO-GO INDICATOR DOES NOT LIGHT (PILOT INSTRUMENT PANEL: JAM/TEST/GO/NO-GO INDICATOR MOMENTARILY PRESSED AND RELEASED)	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136
ANY SECTION OF JAM/TEST/GO/ NO-GO INDICATOR DOES NOT GO OUT (PILOT INSTRUMENT PANEL: JAM/TEST/GO/NO-GO INDICATOR MOMENTARILY PRESSED AND RELEASED)	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136
ANY SINGLE CPG ENGINE INSTRUMENT VERTICAL SCALE INDICATOR DOES NOT LIGHT FOR 3 SECONDS (CPG SDD: SELECT SWITCH ROTATED TO SELECT AND TEST SWITCH PRESSED)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ANY SINGLE PILOT ENGINE INSTRUMENT VERTICAL DISPLAY LAMP DOES NOT LIGHT FOR 3 SECONDS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
APU BOOST PUMP DOES NOT OPERATE (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO RUN)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
APU DOES NOT RUN AND APU NO-GO FUEL SOL NOT ON APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO IGNITION DOES NOT ON APPEAR ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO IGNITION NOT OFF APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO LOW OIL PRESSURE APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO OVERSPEED APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO OVERTEMP APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO PTO CLUTCH APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO START RELAY APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT RUN AND APU NO-GO UNDERSPEED APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT START	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU DOES NOT START AND APU NO-GO UNDERSPEED APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU FIRE PULL HANDLE DOES NOT LIGHT (PILOT APU FIRE TEST PANEL: FIRE TEST DET SWITCH SET TO 1)	TM 1-1520-238-T-8	APU FIRE DETECTION
APU FIRE PULL HANDLE DOES NOT LIGHT (PILOT APU FIRE TEST PANEL: FIRE TEST DET SWITCH SET TO 2)	TM 1-1520-238-T-8	APU FIRE DETECTION
APU FIRE PULL HANDLE DOES NOT LIGHT (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
APU FIRE PULL HANDLE DOES NOT LIGHT (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST SWITCH PRESSED)	TM 1-1520-238-T-8	APU FIRE DETECTION
APU FIRE PULL HANDLE IS NOT LIGHTED (PILOT APU FIRE TEST PANEL: FIRE TEST DET SELECTOR SET TO 1)	TM 1-1520-238-T-8	APU FIRE DETECTION
APU FIRE PULL HANDLE IS NOT LIGHTED (PILOT APU FIRE TEST PANEL: FIRE TEST DET SELECTOR SET TO 2)	TM 1-1520-238-T-8	APU FIRE DETECTION
APU FIRE TEST PANEL EDGE-LIGHT IS NOT LIGHTED (PILOT EXT LT/ INTR LT PANEL: R/CTR CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU FUEL BOOST PUMP DOES NOT OPERATE (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO RUN)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU FUEL SHUTOFF VALVE DOES NOT CLOSE (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU FUEL SHUTOFF VALVE DOES NOT OPEN (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO RUN)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU FUEL SHUTOFF VALVE DOES NOT CLOSE (PILOT BTL DISCHARGE/APU PANEL: FIRE PULL HANDLE PULLED)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU HOLD CIRCUIT BREAKER (CB10) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU HOLD CIRCUIT BREAKER (CB10) DOES NOT STAY CLOSED (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU HOLD CIRCUIT BREAKER (CB10) DOES NOT STAY CLOSED (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO RUN)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
APU HOLD CIRCUIT BREAKER (CB10) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
APU ON INDICATOR IS NOT LIGHTED	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
APU ON INDICATOR IS NOT LIGHTED 60 SECONDS AFTER APU START	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU RUNS AND APU NO-GO OVERSPEED APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU RUNS, PTO CLUTCH DOES NOT ENGAGE AND APU GO APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU RUNS, PTO CLUTCH DOES NOT ENGAGE AND APU NO-GO UNDERSPEED APPEARS ON HOD	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
APU START SEQUENCE DOES NOT BEGIN (PILOT APU FIRE TEST PANEL: 95%/ NORM SWITCH SET TO 95%)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
ARC-201A DOES NOT HOLD PRESET CHANNEL OR HOLD FILL WHEN POWER REMOVED (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND AN/ARC-201A RADIO SETS (ADI)
ARC-201A PANEL LIGHTING – NOT ON (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND AN/ARC-201A RADIO SETS (ADI)
ARC-201A RADIO TRANSMIT POWER (PILOT) – IS LOW (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND AN/ARC-201A RADIO SETS (ADI)
ARC-201A RECEIVE AUDIO (PILOT) – IS NOT PRESENT IN EITHER HEADSET (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND AN/ARC-201A RADIO SETS (ADI)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ARC-201A RECEIVE AUDIO (PILOT) – IS NOT PRESENT IN CPG HEADSET (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND AN/ARC-201A RADIO SETS (ADI)
ARC-201A RECEIVE AUDIO (PILOT) – IS NOT PRESENT IN PILOT HEADSET (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND AN/ARC-201A RADIO SETS (ADI)
ARC-201A TRANSMIT AUDIO (PILOT) – IS NOT PRESENT IN EITHER HEADSET (PILOT TRANSMITTING) (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND AN/ARC-201A RADIO SETS (ADI)
ARINC OUTPUT SIGNAL NO-GO MESSAGE DISPLAYED (AN/ASN-137) (ADD)	TM 11-1520-238-23-2 TM 1-1520-238-T-3	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
ARM INDICATOR DOES NOT LIGHT (CPG FCP: CPG SWITCH SET TO ARM)	TM 9-1095-206-12&P	DISPENSER SYSTEM – M91 TEST SET
ARM LAMP DOES NOT GO OUT (FLAG ASSEMBLY IS INSTALLED IN SAFETY SWITCH ON ELECTRONIC MODULE)	TM 9-1095-206-12&P	DISPENSER SYSTEM – M91 TEST SET
ARM LAMP DOES NOT LIGHT (PILOT DCP: ARM LAMP PRESSED)	TM 9-1095-206-12&P	DISPENSER SYSTEM – M91 TEST SET
ARM LAMP DOES NOT LIGHT (PILOT DCP: ARM-SAFE SWITCH SET TO ARM)	TM 9-1095-206-12&P	DISPENSER SYSTEM – M91 TEST SET
ARM LAMP LIGHTS (PILOT CENTER CIRCUIT BREAKER PANEL: CHAFF CIRCUIT BREAKER CLOSED)	TM 9-1095-206-12&P	DISPENSER SYSTEM – M91 TEST SET
ARM LAMP ON DISPENSER CONTROL PANEL LIGHTS (PILOT CENTER CIRCUIT BREAKER PANEL: CHAFF CIRCUIT BREAKER CLOSED)	TM 9-1095-206-12&P	DISPENSER SYSTEM – M91 TEST SET

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ARM/SAFE INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	SQUAT SWITCH SYSTEM
ARTIFICIAL HORIZON DOES NOT MOVE (RAI: PITCH TRIM CONTROL ADJUSTED)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
ASE AC CIRCUIT BREAKER (CB18) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
ASE AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	DASE
ASE BUCS CIRCUIT BREAKER (CB77) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT EXT/PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
ASE BUCS CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	DASE
ASE DC CIRCUIT BREAKER (CB28) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT EXT/PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
ASE DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	DASE
ATTD/HOVER HOLD SWITCH DOES NOT STAY ON AND ASE INDICATOR IS LIGHTED (PILOT ASE PANEL: ATTD/HOVER HOLD SWITCH SET TO ON)	TM 1-1520-238-T-7	DASE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ATTD IND CIRCUIT BREAKER (CB20) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT EXT/PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)
ATTD IND CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
ATT-HDG INPUT SIGNALS NO-GO SDCC-HARS WIRING MESSAGE DISPLAYED (AN/ASN-137) (ADD)	TM 11-1520-238-23-2 TM 1-1520-238-T-3	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
AUDIO CANNOT BE HEARD IN BOTH HEADSETS (CPG AND PILOT CSC PANELS: NAV B CONTROL ACTIONED AND ADJUSTED)	TM 11-1520-238-23-2	VIDEO RECORDER
AUDIO CANNOT BE PLAYED BACK (CPG AND PILOT CSC PANELS: NAV B CONTROL ACTIONED AND ADJUSTED)	TM 11-1520-238-23-2	VIDEO RECORDER
AUDIO IS HEARD BUT TUNE METER SHOWS NO INDICATION (ADF RCVR CONTROL PANEL: CW/VOICE/TEST SWITCH SET TO VOICE AND MODE SWITCH SET TO COMP)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
AUDIO IS NOT HEARD AND NO TUNE METER INDICATION IS PRESENT (ADF RCVR CONTROL PANEL: CW/VOICE/TEST SWITCH SET TO VOICE AND MODE SWITCH SET TO COMP)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
AUDIO IS NOT HEARD IN PILOT OR CPG HEADSET AND TUNE METER INDICATION IS PRESENT (ADF RCVR CONTROL PANEL: MODE SWITCH SET TO ANT AND CW/VOICE/TEST SWITCH SET TO VOICE)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
AUDIO IS NOT PRESENT AND SAFE LIGHT ON PILOT ARM/SAFE INDICATOR IS LIGHTED (PILOT FIRE CONTROL PANEL: MASTER SWITCH SET TO SAFE)	TM 1-1520-238-T-6	SQUAT SWITCH SYSTEM
AUDIO IS NOT PRESENT AND SAFE LIGHT ON PILOT ARM/SAFE INDICATOR IS NOT LIGHTED (SQUAT SWITCH FIXTURE INSTALLED)	TM 1-1520-238-T-6	SQUAT SWITCH SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AUDIO IS NOT PRESENT IN ALL THREE HEADSETS (LEFT WING MIC PTT SWITCH PRESSED)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN ALL THREE HEADSETS (RIGHT WING MIC PTT SWITCH PRESSED)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN CPG HEADSET (CPG CSC PANEL: ICS SELECT SWITCH SET TO HOT MIC)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN CPG HEADSET (PILOT CSC PANEL: ICS SELECT SWITCH SET TO HOT MIC)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN CPG IHU EARPHONES (PILOT CYCLIC STICK: RADIO/ICS SWITCH PRESSED)	TM 9-1270-221-23	IHADSS
AUDIO IS NOT PRESENT IN EITHER HEADSET (CPG CSC PANEL: ICS SELECT SWITCH SET TO HOT MIC)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN EITHER HEADSET (CPG CYCLIC STICK: RADIO/ICS SWITCH SET TO ICS)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN EITHER HEADSET (CPG CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN EITHER HEADSET (CPG ICS RIGHT TRANSMIT FOOT SWITCH PRESSED)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN EITHER HEADSET (CPG RADIO LEFT TRANSMIT FOOT SWITCH PRESSED)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN EITHER HEADSET (PILOT CSC PANEL: ICS SELECT SWITCH SET TO HOT MIC)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN EITHER HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO ICS)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AUDIO IS NOT PRESENT IN EITHER HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN LEFT WING HEADSET (PILOT RADIO TRANSMIT FOOT SWITCH PRESSED)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN PILOT HEADSET (PILOT CSC PANEL: ICS SELECT SWITCH SET TO HOT MIC)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
AUDIO IS NOT PRESENT IN PILOT IHU EARPHONES (CPG CYCLIC STICK: RADIO/ICS SWITCH PRESSED)	TM 9-1270-221-23	IHADSS
AUDIO IS NOT PRESENT IN RIGHT WING HEADSET (PILOT RADIO TRANSMIT FOOT SWITCH PRESSED)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
AUDIO IS PRESENT AND SAFE LIGHT ON PILOT ARM/SAFE INDICATOR IS LIGHTED (SQUAT SWITCH FIXTURE INSTALLED)	TM 1-1520-238-T-6	SQUAT SWITCH SYSTEM
AUDIO IS PRESENT AND SAFE LIGHT ON PILOT ARM/SAFE INDICATOR IS NOT LIGHTED (SQUAT SWITCH FIXTURE INSTALLED)	TM 1-1520-238-T-6	SQUAT SWITCH SYSTEM
AUDIO IS PRESENT BUT DOES NOT VARY (CPG CSC PANEL: VOL KNOB ADJUSTED)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
AUDIO IS PRESENT BUT DOES NOT VARY (PILOT CSC PANEL: VOL KNOB ADJUSTED)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
AUDIO IS PRESENT IN EITHER WING MAINTENANCE HEADSET (PILOT RADIO TRANSMIT FOOT SWITCH PRESSED AND SQUAT SWITCH FIXTURE INSTALLED)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
AUDIO TONE IS NOT HEARD IN BOTH CREW STATIONS	TM 1-1520-238-T-7	STABILATOR

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AUDIO TONE IS NOT HEARD OR TUNE METER SHOWS NO INDICATION (ADF RCVR CONTROL PANEL: CW/VOICE/TEST SWITCH SET TO VOICE AND MODE SWITCH SET TO COMP)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
AUDIO TONE IS NOT HEARD (PILOT AFT CIRCUIT BREAKER PANEL: STAB AUTO AC AND STAB AUTO DC CIRCUIT BREAKERS OPENED)	TM 1-1520-238-T-7	STABILATOR
AUDIO TONE IS STILL HEARD AFTER RESET PUSHBUTTON IS PRESSED	TM 1-1520-238-T-7	STABILATOR
AUDIO VOLUME CANNOT BE ADJUSTED (ADF RCVR CONTROL PANEL: AUDIO CONTROL SET AS DESIRED)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
AUDIO WARNING IS HEARD (CPG MASTER CAUTION/WARNING PANEL: ENGINE 1 OUT INDICATOR PRESSED)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS HEARD IN BOTH PILOT AND CPG HEADSETS (PILOT POWER QUADRANT PANEL: ENGINE NO 1 PWR LEVER SET TO FLY)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS HEARD IN ONE BUT NOT THE OTHER HEADSET (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH CYCLED FROM BATT TO EXT PWR AND BACK)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS HEARD IN ONLY ONE HEADSET (PILOT POWER QUADRANT PANEL: ENGINE NO 1 PWR LEVER SET TO FLY)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS NOT HEARD IN BOTH HEADSETS (PILOT AFT CIRCUIT BREAKER PANEL: STAB AUTO AC CIRCUIT BREAKER OPENED)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS NOT HEARD IN BOTH HEADSETS (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH CYCLED FROM BATT TO EXT PWR AND BACK)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AUDIO WARNING IS NOT HEARD IN BOTH HEADSETS (PILOT POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO OFF AND ENGINE NO 2 PWR LEVER SET TO FLY)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS NOT HEARD IN CPG HEADSET (IFF TRANSPONDER CONTROL PANEL: MASTER SWITCH SET TO NORM, MODE 4 CODE SWITCH SET TO ZERO AND MODE 4 SWITCH SET TO AUDIO)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUDIO WARNING IS NOT HEARD IN PILOT HEADSET (IFF TRANSPONDER CONTROL PANEL: MASTER SWITCH SET TO NORM, MODE 4 CODE SWITCH SET TO ZERO AND MODE 4 SWITCH SET TO AUDIO)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUDIO WARNING IS STILL HEARD (CPG MASTER CAUTION/WARNING PANEL: ENGINE 2 OUT INDICATOR PRESSED)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS STILL HEARD (PILOT MASTER CAUTION/WARNING PANEL: ENGINE 1 OUT INDICATOR PRESSED)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING IS STILL HEARD (PILOT MASTER CAUTION/WARNING PANEL: ENGINE 2 OUT INDICATOR PRESSED)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
AUDIO WARNING (PRF) IS NOT PRESENT IN CPG HEADSET (RADAR WARNING CONTROL UNIT: SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUDIO WARNING (PRF) IS NOT PRESENT IN PILOT HEADSET (RADAR WARNING CONTROL UNIT: SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUDIO WARNING TONE IS NOT PRESENT IN CPG HEADSET WITH ENGINE 1 OUT AND ENGINE 2 OUT INDICATORS LIGHTED (PILOT CENTER CIRCUIT BREAKER PANEL: ENG WARN CIRCUIT BREAKER CYCLED OPEN AND CLOSED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AUDIO WARNING TONE IS NOT PRESENT IN EITHER HEADSET AND ENGINE 1 OUT AND ENGINE 2 OUT INDICATORS ARE NOT LIGHTED (PILOT CENTER CIRCUIT BREAKER PANEL: ENG WARN CIRCUIT BREAKER CYCLED OPEN AND CLOSED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUDIO WARNING TONE IS NOT PRESENT IN PILOT HEADSET (PILOT AFT CIRCUIT BREAKER PANEL: STAB AUTO AC CIRCUIT BREAKER CYCLED OPEN AND CLOSED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUDIO WARNING TONE IS NOT PRESENT IN PILOT HEADSET WITH ENGINE 1 OUT AND ENGINE 2 OUT INDICATORS LIGHTED (PILOT CENTER CIRCUIT BREAKER PANEL: ENG WARN CIRCUIT BREAKER CYCLED OPEN AND CLOSED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUDIO WARNING TONE IS NOT SILENCED (PILOT COLLECTIVE STICK: RESET SWITCH PRESSED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
AUX/ANTI-ICE PANEL EDGE-LIGHT DOES NOT BRIGHTEN (CPG INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
AUXILIARY FUEL TANK PRESSURE CONTROL VALVE DOES NOT OPEN	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
AUX PWR INDICATOR DOES NOT LIGHT (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
AUX PWR INDICATOR DOES NOT LIGHT (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TST SET TO NORM AND MANUAL DIM CONTROL SET TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
AUX PWR INDICATOR LIGHTS (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TST SET TO NORM AND MANUAL DIM CONTROL SET TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
AWS AMMO CIRCUIT BREAKER (CB7) DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS AMMO CIRCUIT BREAKER (CB7) DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – CPG STATION)
AWS AWS AC CIRCUIT BREAKER (CB11) DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS AWS AC CIRCUIT BREAKER (CB11) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)
AWS AWS DC CIRCUIT BREAKER (CB12) DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS AWS DC CIRCUIT BREAKER (CB12) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
AWS CYCLES BUT JAMS (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS DOES NOT CYCLE (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS DOES NOT CYCLE (ORT: TRIGGER ACTIONED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS DOES NOT CYCLE (PILOT CYCLIC STICK: TRIGGER ACTIONED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS MTR CIRCUIT BREAKER (CB3) DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
AWS MTR CIRCUIT BREAKER (CB3) DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – CPG STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
BACKUP DOES NOT CHANGE TO BACKUP OFF AND AFTER 3 SECONDS NAV TOP LEVEL PWR ON PRESENT POSITION PAGE IS NOT DISPLAYED WITH THE WORD MEMORY ON DISPLAY LINE 6 (CDU: NEXT TO DISPLAYED WORD BACKUP PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
BACKUP OFF DOES NOT CHANGE TO BACKUP ON AND CDU DOES NOT DISPLAY NAV TOP LEVEL POWER ON PRESENT POSITION PAGE (CDU: NEXT TO DISPLAYED WORDS BACKUP OFF PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
BBC IN CONTROL FD/LS NONFUNCTIONAL POSITION APPEARS ON HOD (CPG FCP: MUX SWITCH SET TO PRI)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BBC IN CONTROL FD/LS NONFUNCTIONAL POSITION DOES NOT APPEAR ON HOD (CPG FCP: MUX SWITCH SET TO SEC)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BBC IN CONTROL FD/LS NONFUNCTIONAL POSITION DOES NOT APPEAR ON HOD AND STANDBY (FLASHING) APPEARS ON HOD (CPG FCP: MUX SWITCH SET TO SEC AND CPG CIRCUIT BREAKER PANEL NO. 1: FC FCC DC CIRCUIT BREAKER CLOSED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BBC IN CONTROL FD/LS NONFUNCTIONAL POSITION DOES NOT APPEAR ON HOD (CPG FCP: MUX SWITCH SET TO SEC AND PRI BUS DETACHED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BBC IN CONTROL FD/LS NONFUNCTIONAL POSITION REMAINS ON HOD (CPG FCP: MUX SWITCH SET TO PRI)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BINDING OR CHATTERING OCCURS (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO OFF AND FORE AND AFT MOVEMENT APPLIED)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
BINDING OR CHATTERING OCCURS (PILOT CYCLIC STICK: LEFT AND RIGHT FULL TRAVEL MOVEMENT APPLIED)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
BINDING OR CHATTERING OCCURS (PILOT LEFT AND RIGHT DIRECTIONAL PEDALS: FULL FORWARD MOVEMENT APPLIED)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
BITE INDICATOR ON FIRE CONTROL COMPUTER DOES NOT RESET	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BIT IN AND PROGRESS DISPLAY DOES NOT TERMINATE (DEK: DATA ENTRY SWITCH SET TO STANDBY AND CPG FCP: MSL SWITCH SET TO OFF FOR TWO TO THREE MINUTES TO ALLOW MISSILE SEEKER SPIN DOWN, THEN MSL SWITCH SET TO ON)	TM 9-1427-475-20	HME SYSTEM
BIT IN AND PROGRESS DOES NOT APPEAR ON VDU (PILOT FCP: MISSILE SWITCH SET TO ON)	TM 9-1427-475-20	HME SYSTEM
BIT IN AND PROGRESS MESSAGE DOES NOT ALTERNATELY APPEAR ON HOD AND ALPHA-NUMERIC DISPLAY (DEK: DATA ENTRY SWITCH SET TO STANDBY AND CPG FCP: MSL SWITCH SET TO OFF FOR TWO TO THREE MINUTES TO ALLOW MISSILE SEEKER SPIN DOWN, THEN MSL SWITCH SET TO ON)	TM 9-1427-475-20	HME SYSTEM
BIT IN AND PROGRESS MESSAGE DOES NOT APPEAR ON HOD (CPG FCP: MSL SWITCH SET TO ON)	TM 9-1427-475-20	HME SYSTEM
BLADE ANTI ICE FAIL INDICATOR IS LIGHTED (PILOT ANTI ICE PANEL: ON/OFF/TEST SWITCH SET TO OFF AND AUTO/TRACE/LT/MOD SWITCH SET TO AUTO)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
BLADE DE-ICE ON INDICATOR DOES NOT LIGHT (PILOT ANTI ICE PANEL: ON/OFF/TEST SWITCH SET TO ON)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
BLADE INDICATOR IS NOT LIGHTED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
BLEED AIR SHUTOFF VALVE IS IN OPEN POSITION	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
BOOST PMP ON INDICATOR IS LIGHTED (PILOT FUEL PANEL: BOOST SWITCH SET TO OFF AND CROSSFEED SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
BOOST PMP ON INDICATOR IS LIGHTED (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM, BOOST SWITCH MOVES TO OFF AND ENG 1 SWITCH SET TO OFF)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
BOOST PMP ON INDICATOR IS LIGHTED (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM, BOOST SWITCH MOVES TO OFF AND ENG 2 SWITCH SET TO OFF)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
BOOST PMP ON INDICATOR IS NOT LIGHTED (PILOT FUEL PANEL: BOOST SWITCH SET TO SET OFF)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
BOOST PMP ON INDICATOR IS NOT LIGHTED (PILOT FUEL PANEL: BOOST SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
BOOST PMP ON INDICATOR IS NOT LIGHTED (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO AFT TK, ENG 1 FUEL SWITCH SET TO ON AND BOOST SWITCH SET TO ON)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
BOOST PMP ON INDICATOR IS NOT LIGHTED (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO AFT TK, ENG 2 FUEL SWITCH SET TO ON AND BOOST SWITCH SET TO ON)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
BOOST PUMP DOES NOT OPERATE WITH ORIDE SWITCH SET TO CPG (CPG FUEL PANEL: BOOST SWITCH SET TO BOOST)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
BOOST SWITCH DOES NOT MOVE TO OFF (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
BOOST SWITCH IS NOT RELEASED TO OFF (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
BOOST SWITCH IS NOT RELEASED TO OFF (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
BOOST SWITCH IS ON WITH TK SEL SWITCH NOT SET TO FROM AFT (CPG FUEL PANEL: TK SEL SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
BORESITE REQUIRED REMAINS ON CPG HDU (CPG COLLECTIVE STICK: PLT/BRISIT HMD SWITCH SET TO BRISIT HMD)	TM 9-1270-221-23	IHADSS
BORESITE REQUIRED REMAINS ON PILOT HDU (PILOT COLLECTIVE STICK: PLT/BRISIT HMD SWITCH SET TO BRISIT HMD)	TM 9-1270-221-23	IHADSS
BOTH ADS INDICATORS ARE NOT LIGHTED (CPG FIRE CONTROL PANEL: PLT/GND ORIDE SWITCH SET TO ORIDE, CPG ARM/SAFE SWITCH SET TO ARM AND FCC 1 MUX SWITCH SET TO ON)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
BOTH FAB NORMAL FANS ARE NOT OPERATING (PILOT ECS PANEL: STBY FAN SWITCH SET TO NORM)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
BOTH FAB STANDBY FANS ARE NOT OPERATING (CPG AUX/ANTI-ICE PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
BOTH FAB STANDBY FANS ARE NOT OPERATING (PILOT ECS PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
BOTH PILOT AND CPG ARM INDICATORS DO NOT LIGHT (CPG FCP: CPG SWITCH SET TO ARM)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BOTH PILOT AND CPG SAFE INDICATORS DO NOT LIGHT (CPG FCP: CPG PLT/GND SWITCH SET TO ORIDE)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BOTH PILOT AND CPG SAFE INDICATORS DO NOT LIGHT (CPG FCP: CPG SWITCH SET TO SAFE)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
BOTH VERTICAL SCALES ON PILOT FUEL QUANTITY INDICATOR DO NOT SHOW INCREASE (PILOT FUEL PANEL: EXT TK SWITCH SET TO ON)	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
BOTH VIB GRBX INDICATORS ARE LIGHTED (MASTER CAUTION/ WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
BOTH VIB GRBX INDICATORS LIGHT (INFLIGHT AT 100 KNOTS)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
BOTTOM PISTON OF STABILATOR ACTUATOR MOVES STABILATOR (PILOT COLLECTIVE STICK: NU/ND SWITCH PULSED TO ND UNTIL STABILATOR REACHES DOWN LIMIT)	TM 1-1520-238-T-7	STABILATOR
BOTTOM STAB ACTUATOR NO-GO TAIL SECTION APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR
BRAKES DO NOT SET (PARKING BRAKE HANDLE PULLED)	TM 1-1520-238-T-4	MAIN LANDING GEAR
BRG, TTG AND DIST DATA HAVE NOT CHANGED (CDU: NAV FAB PRESSED, 3 ENTERED ON SCRATCH PAD AND VAB NEXT TO DISPLAYED WORDS FLY TO PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
BRIGHTNESS OF CPG INSTRUMENT VERTICAL SCALE INDICATORS AND DIGITAL READOUTS DO NOT CHANGE (CPG DIM/TEST PANEL: DGT OFF/NORM/ TST SWITCH SET TO NORM AND MANUAL DIM CONTROL ROTATED FULLY COUNTERCLOCKWISE THEN FULLY CLOCKWISE)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
BUCS FAIL AND BUCS ON INDICATORS ARE LIGHTED (CPG COLLECTIVE STICK: BUCS SELECT TRIGGER SWITCH HELD TO CLOSED)	TM 1-1520-238-T-7	DASE
BUCS FAIL INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
BUCS FAIL INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
BUCS FAIL INDICATORS ARE NOT LIGHTED (CPG COLLECTIVE STICK: BUCS SELECT TRIGGER SWITCH HELD TO CLOSED)	TM 1-1520-238-T-7	DASE
BUCS ON INDICATORS ARE NOT LIGHTED (MASTER CAUTION/WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-7	DASE
BUCS ON INDICATORS REMAIN LIGHTED (PILOT ASE PANEL: BUCS TST SWITCH SET TO CPG)	TM 1-1520-238-T-7	DASE
BUCS ON INDICATORS REMAIN LIGHTED (PILOT ASE PANEL: BUCS TST SWITCH SET TO PLT)	TM 1-1520-238-T-7	DASE
BUCS TRACER NO-GO APPEARS ON HOD	TM 1-1520-238-T-7	DASE
BUS INACTIVE (MUX SWITCH TO SEC)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
BUS INACTIVE TERMINAL FAIL MESSAGE DISPLAYED (AN/ASN-137) (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
CANNOT LOAD TOD FROM EGI (ADD)	TM 11-1520-238-23-2	UHF-AM RADIO SET (ADD)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CANOPY ANTI ICE FAIL INDICATOR LIGHTS (PILOT ANTI ICE PANEL: CANOPY HTR SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
CANOPY INDICATORS ARE NOT LIGHTED AND FLASHING (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
CANOPY TEMP CONTROLLER NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
CANOPY TEMP SENSOR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
CAP DOES NOT STAY ON ADAPTER (PRESSURE REFUELING COMPLETED)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
CASSETTE TAPE DOES NOT REWIND WITHIN TWO MINUTES (VIDEO RECORDER CONTROL PANEL: MODE SWITCH SET TO RWND)	TM 11-1520-238-23-2	VIDEO RECORDER
CAUTION/WARNING INDICATORS ARE NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
CAUTION/WARNING INDICATORS ARE NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
CBR BLWR CIRCUIT BREAKER (CB5) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – CPG STATION)
CBR BLWR CIRCUIT BREAKER (CB94) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – PILOT STATION)
CDU CENTER DISPLAY DOES NOT CLEAR (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DEST/TGT, DEST DISP THUMBWHEEL SET TO P AND CLR KEY ACTIONED TWICE)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CDU CIRCUIT BREAKER (CB6) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
CDU CIRCUIT BREAKER DOES NOT STAY CLOSED (AN/ASN-137) (ADC)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADC)
CDU CIRCUIT BREAKER DOES NOT STAY CLOSED (AN/ASN-137) (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
CDU/DNS INTERFACE NOGO (MUX SWITCH TO SEC) (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
CDU DISPLAY DOES NOT CHANGE TO NAV TOP LEVEL POWER ON PRESENT POSITION PAGE WITHIN 3 SECONDS (CDU: VAB NEXT TO DISPLAYED WORDS PWR OFF PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAY DOES NOT FREEZE DATA ON SCRATCH PAD WITH CURSOR POSITION UNDER FLASHING 5 (CDU: CLR FAB KEY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAY LINE 6 HAS NOT CHANGED FROM MEMORY TO BACKUP (CDU: VAB NEXT TO DISPLAYED WORD ADMIN PRESSED THEN VAB NEXT TO DISPLAYED WORD BACKUP OFF PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS CDU/DNS INTERFACE NO-GO MESSAGE (CDU: FD/LS KEY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS DNS RAM ERASED FD/LS INITIAL PAGE (CDU: VAB NEXT TO DISPLAYED WORDS PWR OFF PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CDU DISPLAYS HDG OR AC REF FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS NAV TOP LEVEL PWR UP FD/LS PAGE (CDU: VAB NEXT TO DISPLAYED WORDS PWR OFF PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS PITCH/ROLL FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS PROG PLUG NO-GO MESSAGE (CDU: FD/LS KEY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS RTA FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS RTA NOT CONNECTED OR SDCC A/D FAIL MESSAGE (CDU: FD/LS KEY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS RTA NOT CONNECTED OR SDCC A/D FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS SDCC CPU MEMORY FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS SDCC PWR SUPPLY FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CDU DISPLAYS SDCC WRAPAROUND FAIL OR SDCC 1553 I/O FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DISPLAYS SDC FAIL MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT ALTERNATELY DISPLAY ERROR AND 12SVN32620377E12C5 ON SCRATCH PAD (CDU: VAB NEXT TO DISPLAYED WORD PPOS PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT ALTERNATELY DISPLAY UPDATE SPHEROID AND 19 (CDU: 19 ENTERED ON SCRATCH PAD AND VAB NEXT TO DISPLAYED WORDS FLY TO PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY CDU/DNS GO, CURRENT HEADING, PITCH AND ROLL VALUES (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY FLIGHT PLAN DICTIONARY PAGE (CDU: FPLN FAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY FLIGHT PLAN DICTIONARY PAGE 7 (CDU: FPLN FAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY FD/LS STATUS PAGE NO-GO (CDU: FD/LS FAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY FLIGHT PLAN DICTIONARY PAGE 2 (CDU: DOWN ARROW KEY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CDU DOES NOT DISPLAY HBCM ACTIVE PAGE (CDU: VAB NEXT TO DISPLAYED WORD START PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY HBCM READY PAGE (CDU: VAB NEXT TO DISPLAYED WORD HBCM PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY HBCM RESULTS PAGE LINE 1 HBCM NO-GO AND LINE 2 EXCESSIVE MEM (CDU: VAB NEXT TO DISPLAYED WORD STOP PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY NAV SYS TEST IN PROGRESS MESSAGE (CDU: VAB NEXT TO DISPLAYED WORD TEST PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU DOES NOT DISPLAY PPOS 31T BV 6355 8711 ON LINE 1 AND VAR E000.0 SPH CL6 ON LINE 2 (CDU: NAV FAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU EDGE LIGHT DOES NOT GO TO DIM THEN TO BRT (CPG INTR LT PANEL: R CSL ROTATED FROM BRT TO DIM THEN BACK TO BRT)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU EDGE LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: R CSL CONTROL ROTATED FROM BRT TO DIM THEN BACK TO BRT)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU INVALID CONFIGURATION IS DISPLAYED (AN/ASN-137) (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
CDU LT BUS NO-GO CPG COMPARTMENT (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CDU REMAINS BLANK OR INVALID CONFIGURATION IS DISPLAYED	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU RT BUS NO-GO CPG COMPARTMENT (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
CDU SCREEN DOES NOT DIM THEN BRIGHTEN (BRT CONTROL ROTATED FULLY COUNTERCLOCKWISE THEN BACK TO BRT)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
CDU SCREEN IS BLANK (AN/ASN-137) (ADC)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADC)
CDU SCREEN IS BLANK (AN/ASN-137) (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
CHAFF CIRCUIT BREAKER (CB48) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS - PILOT STATION)
CHAFF CIRCUIT BREAKER (CB48) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 9-1090-208-23-2	DISPENSER SYSTEM - M92 TEST SET

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CHARGER INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO BATT)	TM 11-1520-238-23-2	BATTERY CHARGER
CHECK VALVE DOES NOT CLOSE WITH CONTROL CABLE RELEASED FROM HOLD-OPEN DETENT	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
CHIPS ENG 1 INDICATOR IS LIGHTED BUT NO METAL CHIPS ARE FOUND ON THE CHIP DETECTOR (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
CHIPS ENG 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
CHIPS ENG 2 INDICATOR IS LIGHTED BUT NO METAL CHIPS ARE FOUND ON CHIP DETECTOR (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
CHIPS ENG 2 INDICATOR IS LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
CHIPS MAIN XMSN INDICATOR IS LIGHTED ON BOTH CAUTION/WARNING PANELS (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CHIPS MAIN XMSN INDICATOR IS LIGHTED ON CPG CAUTION/WARNING PANEL BUT NOT ON PILOT CAUTION/WARNING PANEL (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
CHIPS MAIN XMSN INDICATOR IS LIGHTED ON PILOT CAUTION/WARNING PANEL (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
CHIPS NOSE GRBX 1 INDICATOR IS LIGHTED ON PILOT CAUTION/WARNING PANEL (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
CHIPS NOSE GRBX 1 INDICATOR LIGHTS (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
CHIPS NOSE GRBX 2 INDICATOR IS LIGHTED ON PILOT CAUTION/WARNING PANEL (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
CHIPS NOSE GRBX 2 INDICATOR LIGHTS (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	DRIVE SYSTEM DYNAMIC
CIPHER INDICATOR DOES NOT LIGHT (CIPHERY PANEL: MODE SWITCH SET TO CIPHER)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
CIPHER INDICATOR (GREEN) REMAINS LIGHTED (CIPHERY PANEL: MODE SWITCH SET TO PLAIN)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
CIPHERY CONTROL PANEL EDGE LIGHT DOES NOT VARY FROM OFF TO BRIGHT (PILOT EXT LT/INTR LT PANEL: R/CTR CSL CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
COLLECTIVE STICK DOES NOT TRAVEL FULL UP AND DOWN TO RESPECTIVE STOP (PILOT COLLECTIVE STICK: FRICTION OFF)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
COLLECTIVE STICK EDGE-LIGHT IS NOT LIGHTED (CPG INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
COLLECTIVE STICK EDGE-LIGHT IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
COMM ADF CIRCUIT BREAKER (CB65) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
COMM ADF CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
COMM ICS CIRCUIT BREAKER (CB27) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
COMM ICS CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
COMM IFF CIRCUIT BREAKER (CB29) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
COMM IFF CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT IFF TRANSPONDER CONTROL PANEL: MASTER SWITCH SET TO NORM)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
COMM KY-28 CIRCUIT BREAKER (CB30) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
COMM KY-28 CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
COMM KY-28 CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	TSEC/KY-58 COMMUNICATIONS SECURITY EQUIPMENT
COMM UHF AM CIRCUIT BREAKER (CB24) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
COMM UHF AM CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	UHF-AM RADIO SET
COMM VHF FM CIRCUIT BREAKER (CB64) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
COMM VHF FM CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CONSTANT TONE IN HEADSET DOES NOT CHANGE TO PERIODIC TONE INDICATING CIPHER MODE (PILOT VHF AM-FM RECEIVER/TRANSMITTER: MODE SWITCH SET TO TR)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
COOLING FAN TO RADAR JAMMER RECEIVER/TRANSMITTER IS NOT HEARD (RDRCM CONTROL UNIT: OFF/STBY/OPR SWITCH SET TO OPR)	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CONSTANT TONE IN HEADSET DOES NOT CHANGE TO PERIODIC TONE INDICATING CIPHER MODE (PILOT VHF AM-FM RECEIVER/TRANSMITTER: MODE SWITCH SET TO TR)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
COOLING FAN TO RADAR JAMMER RECEIVER/TRANSMITTER IS NOT HEARD (RDRCM CONTROL UNIT: OFF/STBY/OPR SWITCH SET TO OPR)	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136
CORRECT REMOTE TRANSMITTER SELECTOR PANEL INDICATOR DOES NOT LIGHT (PILOT CYCLIC STICK: REMOTE TRANSMITTER SELECTOR SWITCH CYCLED)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG AIRSPEED INDICATOR EDGE- LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
CPG AIRSPEED INDICATOR, VSI AND BAROMETRIC ALTIMETER EDGE- LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
CPG ARM/SAFE INDICATOR IS NOT LIGHTED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
CPG BAROMETRIC ALTIMETER EDGE- LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
CPG BAROMETRIC ALTIMETER PRESSURE READING IS NOT WITHIN ± 70 FEET OF AMBIENT PRESSURE	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
CPG BRU TARGET DOES NOT LIGHT (CPG FCP: BRSIT IHADSS SWITCH SET TO IHADSS AND CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 9-1270-221-23	IHADSS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG BUCS FAIL INDICATOR IS LIGHTED (CPG COLLECTIVE STICK: BUCS SELECT TRIGGER SWITCH RELEASED)	TM 1-1520-238-T-7	DASE
CPG BUCS FAIL INDICATOR IS NOT LIGHTED (CPG COLLECTIVE STICK: BUCS SELECT TRIGGER SWITCH PULLED)	TM 1-1520-238-T-7	DASE
CPG BUCS ON INDICATOR IS NOT LIGHTED (PILOT ASE PANEL: BUCS TST SWITCH SET TO CPG)	TM 1-1520-238-T-7	DASE
CPG BUCS ON INDICATOR REMAINS LIGHTED MORE THAN 20 SECONDS (PILOT ASE PANEL: BUCS TST SWITCH SET TO PLT)	TM 1-1520-238-T-7	DASE
CPG BUCS SEL NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG CAUTION/WARNING EDGE-LIGHTED PANEL IS NOT LIGHTED (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
CPG CAUTION/WARNING PANEL ENG 1 INDICATOR IS LIGHTED (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
CPG CAUTION/WARNING PANEL ENG 2 INDICATOR IS LIGHTED (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
CPG CAUTION/WARNING PANEL INDICATORS DO NOT INCREASE IN BRIGHTNESS (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
CPG CLOCK DOES NOT RUN AFTER WINDING	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
CPG CLOCK DOES NOT RESET SWEEP HAND AND ELAPSED TIME HAND (KNOB PUSHED ONE TIME)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG CLOCK DOES NOT STOP HANDS FROM MOVING (KNOB PUSHED THREE TIMES)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
CPG CLOCK EDGE-LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
CPG CLOCK HANDS DO NOT START MOVING (KNOB PUSHED TWO TIMES)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
CPG CLOCK HOUR AND MINUTE HAND WILL NOT MOVE (KNOB TURNED AND PULLED)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
CPG COLL 1 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG COLL 2 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG COLL LVDT NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG CSC PANEL EDGE LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: R CSL AND INST CONTROLS ROTATED TO BRT)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
CPG CYCLIC GRIP NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG DAP OR HDU NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 9-1270-221-23	IHADSS
CPG DIM/TEST PANEL EDGE-LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG DIR 1 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG DIR 2 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG DIR LVDT NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG DPLR NAV PANEL EDGE LIGHT DOES NOT DIM AND RETURN TO BRIGHT (CPG INTR LT PANEL: R CSL CONTROL ROTATED FROM BRT TO OFF THEN BACK TO BRT)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
CPG DPLR NAV PANEL FIRST TWO POSITIONS OF LEFT DISPLAY DO NOT INDICATE GO (MODE SWITCH SET TO TEST)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
CPG EMERG BATT VHF AM-FM CIRCUIT BREAKER - DOES NOT STAY CLOSED	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 RADIO SET (ADH)
CPG ENG 1 FIRE PULL HANDLE DOES NOT LIGHT (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST SWITCH PRESSED)	TM 1-1520-238-T-8	ENGINE 1 FIRE DETECTION
CPG ENG 1 FIRE PULL HANDLE DOES NOT STAY IN PULLED POSITION	TM 1-1520-238-T-8	ENGINE 1 FIRE DETECTION
CPG ENG 2 FIRE PULL HANDLE DOES NOT LIGHT (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST SWITCH PRESSED)	TM 1-1520-238-T-8	ENGINE 2 FIRE DETECTION
CPG ENG 2 FIRE PULL HANDLE DOES NOT STAY IN PULLED POSITION	TM 1-1520-238-T-8	ENGINE 2 FIRE DETECTION
CPG ENGINE CHOP INDICATOR DOES NOT GO OUT (CPG POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO IDLE AND CPG COLLECTIVE STICK: PUSHED FORWARD AND CHOP COLLAR TURNED COUNTERCLOCKWISE THEN RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
CPG ENGINE CHOP INDICATOR DOES NOT GO OUT (CPG POWER QUADRANT: ENGINE NO 2 PWR LEVER SET TO IDLE AND CPG COLLECTIVE STICK: PUSHED FORWARD AND CHOP COLLAR TURNED COUNTERCLOCKWISE THEN RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG ENGINE CHOP INDICATOR DOES NOT LIGHT (CPG POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO FLY) (CPG COLLECTIVE STICK: PUSHED FORWARD AND CHOP COLLAR TURNED CLOCKWISE)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
CPG ENGINE INSTRUMENT INDICATORS ARE NOT BLANKED OUT (CPG SDD PANEL: SELECT SWITCH SET TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG ENGINE INSTRUMENTS HAVE EVERY OTHER VERTICAL SCALE INDICATOR NOT LIGHTED (CPG SDD PANEL: SELECT SWITCH ROTATED TO SELECT AND TEST SWITCH PRESSED)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG ENGINE INSTRUMENT SINGLE VERTICAL DISPLAY LAMPS DO NOT LIGHT FOR 3 SECONDS (CPG SDD PANEL: SELECT SWITCH ROTATED TO SELECT AND TEST SWITCH PRESSED)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG ENGINE NO 1 PWR LEVER CANNOT BE ADVANCED TO LOCKOUT (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
CPG ENGINE NO 2 PWR LEVER CANNOT BE ADVANCED TO LOCKOUT (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
CPG ENG-RTR RPM% INDICATOR DOES NOT INDICATE ENGINE 1 N _P (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG ENG-RTR RPM% INDICATOR DOES NOT INDICATE ENGINE 2 N _P (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG ENG-RTR RPM% INDICATOR DOES NOT INDICATE FULL SCALE OR VERTICAL SCALE INDICATORS HAVE EVERY OTHER LAMP NOT LIGHTED (CPG DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG ENG-RTR RPM% INDICATOR DOES NOT INDICATE N _R (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG ENG-RTR RPM% INDICATOR EDGE-LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG ENG-RTR RPM% INDICATOR VERTICAL SCALE INDICATORS DO NOT INDICATE 0% (CPG SDD PANEL: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG FCP EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: L CSL AND R CSL CONTROLS SET TO DESIRED LEVEL)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
CPG FIRE APU INDICATOR DOES NOT LIGHT (PILOT APU FIRE TEST PANEL: FIRE TEST DET SWITCH SET TO 1)	TM 1-1520-238-T-8	APU FIRE DETECTION
CPG FIRE APU INDICATOR LIGHTS (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST SWITCH PRESSED)	TM 1-1520-238-T-8	APU FIRE DETECTION
CPG FIRE CONTROL PANEL NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
CPG FIRE EXTINGUISHER PANEL EDGE-LIGHT DOES NOT BRIGHTEN (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-8	ENGINE 1 FIRE DETECTION
CPG FUEL LOW FWD INDICATOR IS NOT LIGHTED WITH PILOT FUEL LOW FWD INDICATOR LIGHTED (PILOT FUEL PANEL: TRANS SWITCH SET TO AFT)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
CPG FUEL PANEL EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
CPG FUEL XFER ADVISORY LIGHT IS NOT LIGHTED	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG FUEL XFER ADVISORY LIGHT IS NOT LIGHTED (PILOT FUEL PANEL: TRANS SWITCH SET TO AFT TK)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
CPG GLARESHIELD SECONDARY LIGHTS LIGHT IN ONE POSITION AND NOT OTHER (CPG INTR LT PANEL: FLOOD CONTROL ROTATED TO DIM AND THEN TO BRT)	TM 1-1520-238-T-6	CPG UTILITY AND SECONDARY LIGHTS
CPG GUN INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: GUN SWITCH SET TO NORM) (ORT: WAS SET TO GUN)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
CPG GUN INDICATOR LIGHTS OR GUN FAIL APPEARS ON HOD (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO G)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
CPG GUN INDICATOR REMAINS LIT (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
CPG GUN INDICATOR REMAINS LIT OR GUN FAIL REMAINS ON HOD (ORT: TRIGGER PULLED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
CPG HDU IS BLANK (ORT: GS SWITCH SET TO DOWN AND DSPL BRT AND DSPL CONT CONTROLS ADJUSTED)	TM 9-1270-221-23	IHADSS
CPG HELMET ELECTRONICS NO-GO APPEARS ON HOD	TM 9-1270-221-23	IHADSS
CPG HIGH RPM ROTOR INDICATOR DOES NOT LIGHT AT 104% N _R (ACV) (IN FLIGHT AUTOROTATION)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
CPG HIGH RPM ROTOR INDICATOR DOES NOT LIGHT AT 108% N _R (ACW) (IN FLIGHT AUTOROTATION)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
CPG INTR LT EDGE-LIGHT PANEL DOES NOT LIGHT (CPG INTR LT PANEL: L CSL, R CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
CPG LAT 1 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG LAT 2 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG LAT LVDT NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG LEFT BRAKE IS NOT FIRM OR WHEEL ASSEMBLY ROTATES (PRESSURE APPLIED)	TM 1-1520-238-T-4	MAIN LANDING GEAR
CPG LEFT CONSOLE EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
CPG LEFT SSU NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 9-1270-221-23	IHADSS
CPG LONG 1 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG LONG 2 DCPLR NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG LONG LVDT NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
CPG LOW RPM ROTOR INDICATOR DOES NOT LIGHT AT 93% OR LESS (ENGINES OPERATING) (PILOT INSTRUMENT PANEL: N _p BETWEEN 80% TO 85%)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
CPG LOW RPM ROTOR INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
CPG MISSILE INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: MSL SWITCH SET TO ON) (ORT LH GRIP: WAS SET TO MLS)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
CPG MUX NO-GO CHECK CIR BRKR APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
CPG NU/ND INOPERATIVE STAB POS INDICATORS DO NOT MOVE	TM 1-1520-238-T-7	STABILATOR
CPG POWER QUADRANT EDGE-LIGHT PANEL DOES NOT LIGHT (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG PRI MUX INDICATOR DOES NOT LIGHT (CPG CIRCUIT BREAKER PANEL NO. 1: FC FCC CIRCUIT BREAKER OPENED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
CPG RADIO CALL PLACARD EDGE LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: R CSL AND L CSL CONTROLS ROTATED TO BRT)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
CPG RADIO MONITOR PLACARD EDGE LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: R CSL AND L CSL CONTROLS ROTATED TO BRT)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
CPG RECEIVE AUDIO IS NOT PRESENT IN CPG HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG RESET INOPERATIVE STAB POS INDICATORS NOT $19 \pm 2^\circ$ ND	TM 1-1520-238-T-7	STABILATOR
CPG RIGHT BRAKE IS NOT FIRM OR WHEEL ASSEMBLY ROTATES (PRESSURE APPLIED)	TM 1-1520-238-T-4	MAIN LANDING GEAR
CPG RIGHT CONSOLE EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: R CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG EDGE-LIGHTS
CPG RIGHT SSU NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 9-1270-221-23	IHADSS
CPG ROCKET INDICATOR FLASHES OR LIGHTS (CPG CYCLIC STICK: SWITCH SET TO R ON)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
CPG ROCKET INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: RKT SWITCH SET TO NORM) (ORT LH GRIP: WAS SET TO RKT)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
CPG ROCKET INDICATOR LIGHTS (CPG FC PANEL: RKT SWITCH SET TO NORM)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
CPG SAFE/ARM INDICATOR OR ANY CAUTION/WARNING INDICATORS DO NOT LIGHT (PILOT OR CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 9-1427-475-20	HME SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG SAFE OR ARM INDICATOR LIGHTS (CPG FCP: CPG SWITCH SET TO ARM THEN SAFE)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
CPG SDD, DIM/TEST PANEL, TORQUE AND ENG-RTR RPM% INDICATORS EDGE-LIGHTING DO NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD INDICATORS DO NOT LIGHT WHEN SELECTED (CPG SDD PANEL: SELECT SWITCH SET TO RESPECTIVE POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL DOES NOT INDICATE ENGINE 1 OR ENGINE 2 OIL PRESSURE (ENGINE 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL DOES NOT INDICATE ENGINE 1 AND/OR ENGINE 2 N _G % RPM (ENGINE 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL DOES NOT INDICATE ENGINE 1 AND/OR ENGINE 2 TGT (ENGINE 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL DIGITAL READOUTS ARE NOT BLANKED OUT (CPG SDD PANEL: SELECT SWITCH SET TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL DIGITAL READOUTS DO NOT BLANK (CPG DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL DIGITAL READOUTS DO NOT INDICATE WITHIN .5% WHEN N _G RPM% INDICATOR LIGHTS (CPG SDD PANEL: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL EDGE-LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG SDD PANEL ENG OIL DIGITAL READOUTS DO NOT INDICATE 0 TO 5 LBS PRESSURE WHEN ENG OIL INDICATOR LIGHTS (CPG SDD: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL FUEL QTY LBX10 DIGITAL READOUTS DO NOT INDICATE EXISTING FUEL ± 20 LBS WHEN FUEL QUANTITY INDICATOR LIGHTS (CPG SDD PANEL: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL LEFT/FWD OR RIGHT/AFT INDICATORS DO NOT SHOW DIGITAL 888 (CPG DIM/TEST PANEL: DGT OFF/NORM/ TST SWITCH SET TO TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL N_G % RPM DIGITAL READOUTS DO NOT INDICATE WITHIN 5% WHEN N_G RPM% INDICATOR LIGHTS (CPG SDD PANEL: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SDD PANEL TGT DIGITAL READOUTS DO NOT INDICATE AMBIENT TEMPERATURE $\pm 5^\circ$ WHEN TGT INDICATOR LIGHTS (CPG SDD PANEL: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG SELECTABLE DIGITAL DISPLAY DIGITAL READOUTS DO NOT AGREE WITH PILOT FUEL QUANTITY INDICATOR TOTAL DIGITAL READOUTS (CPG FUEL PANEL: TRANS SWITCH SET TO OFF AND ORIDE SWITCH SET TO PLT)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
CPG SELECTABLE DIGITAL DISPLAY DIGITAL READOUTS DO NOT AGREE WITH PILOT FUEL QUANTITY INDICATOR TOTAL DIGITAL READOUTS (FUEL IN FORWARD AND AFT FUEL CELLS)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG SELECTABLE DIGITAL DISPLAY DIGITAL READOUTS DO NOT AGREE WITH PILOT FUEL QUANTITY INDICATOR VERTICAL DISPLAYS (CPG FUEL PANEL: TRANS SWITCH SET TO FWD)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
CPG SELECTABLE DIGITAL DISPLAY EDGE-LIGHTS ARE NOT LIGHTED	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
CPG SELECTABLE DIGITAL DISPLAY PANEL, N _G , TGT ENG-RTR, TORQUE OR ENG OIL INDICATORS DO NOT INDICATE (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
CPG SELECTABLE DIGITAL DISPLAY PANEL, N _G , TGT, ENG-RTR, TORQUE OR ENG OIL INDICATORS DO NOT INDICATE (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
CPG STAB DEG/NOM SPD PLACARD PANEL EDGE-LIGHT DOES NOT LIGHT	TM 1-1520-238-T-7	STABILATOR
CPG STAB POS INDICATOR DOES NOT INDICATE 25 ±2° ND (PILOT COLLECTIVE STICK: RESET PUSHBUTTON PRESSED)	TM 1-1520-238-T-7	STABILATOR
CPG STAB POS INDICATOR EDGE-LIGHT DOES NOT LIGHT	TM 1-1520-238-T-7	STABILATOR
CPG TADS INDICATOR DOES NOT LIGHT AND THEN GOES OUT AFTER BUILT IN TEST (CPG FCP: SYSTEM TADS SWITCH SET TO TADS) (CPG COLLECTIVE STICK: NVS SWITCH SET TO TADS)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
CPG TADS INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: TADS SWITCH SET TO TADS)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG TEMP INT INDICATOR IS LIGHTED BUT NOT LIGHTED ON PILOT CAUTION/WARNING PANEL (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
CPG TEMP TR INDICATOR IS LIGHTED BUT NOT LIGHTED ON PILOT CAUTION/WARNING PANEL (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
CPG TORQUE INDICATOR DIGITAL READOUTS ARE NOT BLANKED OUT (CPG SDD PANEL: SELECT SWITCH ROTATED TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG TORQUE INDICATOR DIGITAL READOUTS DO NOT BLANK (CPG DIM/ TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG TORQUE INDICATOR DOES NOT INDICATE ENGINE 1 TORQUE (ENGINE 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG TORQUE INDICATOR DOES NOT INDICATE ENGINE 2 TORQUE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG TORQUE INDICATOR DOES NOT INDICATE FULL SCALE OR SHOW DIGITAL 888, OR VERTICAL SCALE INDICATORS HAVE EVERY OTHER LAMP NOT LIGHTED (CPG DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG TORQUE INDICATOR EDGE-LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG TORQUE INDICATOR VERTICAL SCALE INDICATORS AND DIGITAL READOUTS DO NOT INDICATE 0% TO 2% (CPG SDD PANEL: SELECT SWITCH ROTATED TO EACH POSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
CPG TRANSMIT AUDIO IS NOT PRESENT IN EITHER HEADSET (CPG TRANSMITTING) (CPG CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG UTILITY LIGHT DOES NOT LIGHT (RHEOSTAT ROTATED TO BRT)	TM 1-1520-238-T-6	CPG UTILITY AND SECONDARY LIGHTS
CPG VHF AM-FM RADIO TRANSMIT POWER IS REPORTED TO BE WEAK OR NOT CLEAR (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG VHF AM-FM RECEIVER/TRANSMITTER EDGE LIGHT IS NOT LIGHTED (CPG INTR LT PANEL: R CSL CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG VHF AM-FM RECEIVER/TRANSMITTER DOES NOT TUNE TO PROPER PRESET CHANNEL (FREQUENCY SELECT SWITCH SET TO PRE)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG VHF RECEIVE AUDIO IS NOT PRESENT IN EITHER HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG VHF RECEIVE AUDIO IS NOT PRESENT IN PILOT HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
CPG VIDEO AND SYMBOLS ARE NOT DISPLAYED (ORT: VIDEO SEL SWITCH SET TO PNVS)	TM 11-1520-238-23-2	SYMBOL GENERATOR

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CPG VIDEO AND SYMBOLS ARE NOT DISPLAYED (VDU: MODE SWITCH SET TO CPG)	TM 11-1520-238-23-2	SYMBOL GENERATOR
CPG VIDEO APPEARS ON VDU DISPLAY BUT IS DISTORTED OR WRONG (VDU: MODE SWITCH SET TO CPG)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
CPG VIDEO CANNOT BE PLAYED BACK (VIDEO RECORDER PANEL: PLAY SWITCH SET TO FWD AND MODE SWITCH SET TO PLAY)	TM 11-1520-238-23-2	VIDEO RECORDER
CPG VIDEO DOES NOT APPEAR ON VDU (VDU: MODE SWITCH SET TO CPG)	TM 11-1520-238-23-2	HARS SELF TEST
CPG VSI DOES NOT ADJUST TO 0 FPM (SCREW ADJUSTED)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
CPG VSI EDGE-LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
CPG WINDSHIELD DOES NOT OPERATE AT HIGH SPEED (PILOT ANTI ICE PANEL: WSHLD WIPER SWITCH SET TO HIGH)	TM 1-1520-238-T-8	WINDSHIELD WIPERS
CPG WINDSHIELD DOES NOT OPERATE AT LOW SPEED (CPG AUX/ANTI-ICE PANEL: W WIPER SWITCH SET TO CPG)	TM 1-1520-238-T-8	WINDSHIELD WIPERS
CPG WINDSHIELD DOES NOT OPERATE AT LOW SPEED (PILOT ANTI ICE PANEL: WSHLD WIPER SWITCH SET TO LOW)	TM 1-1520-238-T-8	WINDSHIELD WIPERS
CRKT AND ROCKET STEERING CURSOR DOES NOT APPEAR ON VDU AND ROCKET STEERING CURSOR DOES NOT APPEAR ON HOD (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO R)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
CRKT AND ROCKET STEERING CURSOR DOES NOT APPEAR ON VDU (ORT: RKT/GUN/MSL SWITCH SET TO RKT)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CYCLIC STICK BINDS OR CHATTERING OCCURS WHEN STICK IS MOVED FORWARD, AFT, LEFT OR RIGHT	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT REMAIN IN AFT POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO FORCE TRIM RELEASE)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT REMAIN IN FORWARD POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO FORCE TRIM RELEASE)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT REMAIN IN LEFT POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO FORCE TRIM RELEASE)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT REMAIN IN RIGHT POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO FORCE TRIM RELEASE)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT RETURN TO CENTER NEUTRAL POSITION (PILOT CYCLIC STICK: FULL FORWARD FORCE TRIM ON)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT RETURN TO CENTER NEUTRAL POSITION (PILOT CYCLIC STICK: RIGHT STOP FORCE TRIM ON)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT RETURN TO FULL CENTER POSITION (PILOT CYCLIC STICK: FULL AFT FORCE TRIM ON)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT RETURN TO FULL CENTER POSITION (PILOT CYCLIC STICK: LEFT STOP FORCE TRIM ON)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
CYCLIC STICK DOES NOT TRAVEL FULL FORWARD AND AFT TO THE RESPECTIVE STOP (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO OFF)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
CYCLIC STICK DOES NOT TRAVEL FULL LEFT AND RIGHT TO RESPECTIVE STOPS (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO OFF)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
DASE COMPUTER NO-GO AFT AVIONICS BAY APPEARS ON HOD	TM 1-1520-238-T-7	DASE
DASE ENGAGE PANEL NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
DASE MRTU – LT BUS NO-GO AFT AVIONICS BAY APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DASE MRTU – RT BUS NO-GO AFT AVIONICS BAY APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DASE MRTU NO-GO AFT AVIONICS BAY APPEARS ON HOD (SEC BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DASE MRTU NO-GO AFT AVIONICS BAY APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DASE MRTU NO-GO AFT AVIONICS BAY APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DATA DISPLAYED FOR WAYPOINT 3 (DISPLAY LINES 1 AND 2 OF FLIGHT PLAN DICTIONARY PAGE 2) IS NOT THE SAME AS HOME (CDU: VAB NEXT TO DISPLAYED NUMBER 3 PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
DATA ENTRY KEYBOARD AND CPG FIRE CONTROL PANEL NO-GO APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DATA ENTRY KEYBOARD EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: L CSL AND R CSL CONTROLS SET AT DESIRED LEVEL)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
DATA LINE 1 H 12S WN 0000 0000 AND LINE 2 E010.0 CL6 DOES NOT APPEAR ON SCRATCH PAD DISPLAY LINE (CDU: TOP RIGHT VAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
DATA TRANSFER UNIT NO-GO CPG COMPARTMENT MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2 TM 1-1520-238-T-3	DATA TRANSFER UNIT (DTU) (ADD)
DEFOG SHUTOFF VALVE DOES NOT OPERATE (PILOT ANTI ICE PANEL: CANOPY DEFOG SWITCH SET TO OFF)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
DEFOG SHUTOFF VALVE DOES NOT OPERATE (PILOT ANTI ICE PANEL: CANOPY DEFOG SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
DEU NO-GO RH FAB APPEARS ON HOD	TM 9-1270-221-23	IHADSS
DIGITAL AND ANALOG READOUTS ON VDU DO NOT AGREE WITH RHI READINGS (RHI: HI SET KNOB PRESSED AND HELD TO INITIATE PUSH-TO-TEST OPERATION)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
DIGITAL READOUTS DO NOT INDICATE 888 (CPG SELECTABLE DIGITAL DISPLAY: TEST BUTTON PUSHED AND HELD)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
DIR ACTUATOR NO-GO TAIL SECTION APPEARS ON HOD	TM 1-1520-238-T-7	DASE
DIR NORM, LO NORM AND THEN HI NORM (EACH WITH SOLID CONSTRAINTS BOX) DO NOT APPEAR ON HOD (LOBL CONSTRAINTS BOX CENTER ON HOD WITH MAN TRK SWITCH AND CPG MSL PANEL: LOAL SWITCH SET TO DIR, LO, THEN HI)	TM 9-1427-475-20	HME SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
DIR RIPL DOES NOT APPEAR ON HOD (CPG MSL PANEL: MODE SWITCH SET TO RIPL AND AND LOAL SWITCH SET TO DIR) (CPG FCP: MSL CHAN SEL SWITCH SET TO LWR)	TM 9-1427-475-20	HME SYSTEM
DISPLAY SYMBOLOGY APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DISPLAY SYMBOLOGY DOES NOT APPEAR ON HOD (CPG FCP: MUX SWITCH SET TO PRI) (PRI BUS DETACHED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DISPLAY SYMBOLOGY DOES NOT APPEAR ON HOD (CPG FCP: MUX SWITCH SET TO PRI) (SEC BUS DETACHED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
DIST DATA IS NOT 25.0 KM (+0.1 KM OR BRG DATA IS NOT 350 DEG (CDU: VAB NEXT TO DISPLAYED WORDS FLY TO PRESSED AND NUMBER 1 ENTERED ON SCRATCH PAD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
DL56789012 IS NOT DISPLAYED ON LEFT AND RIGHT DISPLAYS (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DEST/TGT, DEST DISP THUMBWHEEL SET TO P AND KEYBOARD KEYS ACTIONED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
DNS DOES NOT APPEAR ON SCRATCH PAD (CDU: LETTERS DNS KEYED INTO KEYBOARD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
DNS NO-GO MESSAGE DISPLAYED ON CDU AND SIGNAL DATA CONV-COMP NO-GO LH AFT CATWALK FD/LS MESSAGE	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
DNS SDCC LT BUS NO-GO LH AFT CATWALK (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
DNS SDCC RT BUS NO-GO LH AFT CATWALK (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
DPLR NAV PANEL EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: R CSL CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
DTC BATTERY LOW	TM 1-1520-238-T-3	DATA TRANSFER UNIT (DTU) (ADD)
DTC DOES NOT ZEROIZE	TM 1-1520-238-T-3	DATA TRANSFER UNIT (DTU) (ADD)
DTC READY DOES NOT APPEAR	TM 1-1520-238-T-3	DATA TRANSFER UNIT (DTU) (ADD)
DTU CIRCUIT BREAKER DOES NOT STAY CLOSED (ADD)	TM 11-1520-238-23-2	DATA TRANSFER UNIT (DTU) (ADD)
DTU, EGI, AND SDCC FAIL TO ZEROIZE (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
DTU, EGI, AND SDCC UNCOMMANDED ZEROIZE (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
DTU INOP MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2	DATA TRANSFER UNIT (DTU) (ADD)
DTU LT BUS NO-GO CPG COMPARTMENT (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
DTU RT BUS NO-GO CPG COMPARTMENT (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
DTU (ONLY) FAILS TO ZEROIZE (ADD)	TM 11-1520-238-23-2	DATA TRANSFER UNIT (DTU) (ADD)
DTU (ONLY) UNCOMMANDED ZEROIZE (ADD)	TM 11-1520-238-23-2	DATA TRANSFER UNIT (DTU) (ADD)
DUAL HYDRAULIC PRESSURE INDICATOR EDGE-LIGHT IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ECS AFT FAN CIRCUIT BREAKER (CB75) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS AFT FAN CIRCUIT BREAKER (CB75) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – PILOT STATION)
ECS AIRFLOW HAS NO TEMPERATURE CHANGE (PILOT ECS PANEL: TEMP CONTROL SET TO COLD OR WARM)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS AIRFLOW IS LOW OR NOT PRESENT (PILOT ECS PANEL: ENCU SWITCH SET TO ON)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS AIRFLOW IS NOT REDUCED (ENGINE 1 OPERATING) (PILOT CENTER CIRCUIT BREAKER PANEL: FUEL BST CIRCUIT BREAKER OPENED)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
ECS BLADE DE-ICE CIRCUIT BREAKER (CB85) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ECS BLADE DE-ICE CIRCUIT BREAKER (CB85) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
ECS BLADE DE-ICE CONTR CIRCUIT BREAKER (CB83) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ECS BLADE DE-ICE CONTR CIRCUIT BREAKER (CB83) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ECS BLADE DE-ICE CONTR CIRCUIT BREAKER (CB83) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: ON/OFF/TEST SWITCH SET TO TEST)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ECS BLADE DE-ICE CONTR CIRCUIT BREAKER (CB83) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
ECS CAB CIRCUIT BREAKER (CB76) DOES NOT STAY CLOSED (CPG AUX/ANTI-ICE PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS CAB CIRCUIT BREAKER (CB76) DOES NOT STAY CLOSED (PILOT ECS PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS CAB CIRCUIT BREAKER (CB76) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
ECS CANOPY ANTI-ICE CIRCUIT BREAKER (CB78) DOES NOT STAY CLOSED (PILOT ANTI-ICE PANEL: CANOPY HTR SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
ECS CANOPY ANTI-ICE CIRCUIT BREAKER (CB78) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – PILOT STATION)
ECS CANOPY ANTI-ICE CONTR CIRCUIT BREAKER (CB70) DOES NOT STAY CLOSED (PILOT ANTI-ICE PANEL: CANOPY HTR SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
ECS CANOPY ANTI-ICE CONTR CIRCUIT BREAKER (CB70) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – PILOT STATION)
ECS ENG ANTI-ICE CIRCUIT BREAKER (CB67) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-8	ENGINE ANTI-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ECS ENG ANTI-ICE CIRCUIT BREAKER (CB67) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ECS ENG ANTI-ICE CIRCUIT BREAKER (CB67) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ECS ENG ANTI-ICE CIRCUIT BREAKER (CB67) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – PILOT STATION)
ECS FAB FANS CIRCUIT BREAKER (CB88) DOES NOT STAY CLOSED (CPG AUX/ ANTI-ICE PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS FAB FANS CIRCUIT BREAKER (CB88) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS FAB FANS CIRCUIT BREAKER (CB88) DOES NOT STAY CLOSED (PILOT ECS PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS FAB FANS CIRCUIT BREAKER (CB88) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – PILOT STATION)
ECS ICE DET CIRCUIT BREAKER (CB68) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ECS ICE DET CIRCUIT BREAKER (CB68) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ECS ICE DET HTR CIRCUIT BREAKER (CB212) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ECS ICE DET HTR CIRCUIT BREAKER (CB212) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ECS ICE DET HTR CIRCUIT BREAKER (CB212) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – PILOT STATION)
ECS INDICATOR DID NOT LIGHT IN KNOWN OVERHEAT CONDITION	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS INDICATOR IS LIGHTED (PILOT ECS PANEL: ENCU SWITCH SET TO ON)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS L NOSE GRBX HTR CIRCUIT BREAKER (CB38) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ECS L NOSE GRBX HTR CIRCUIT BREAKER (CB38) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ECS L NOSE GRBX HTR CIRCUIT BREAKER (CB38) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
ECS PANEL EDGE-LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS R NOSE GRBX HTR CIRCUIT BREAKER (CB211) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ECS R NOSE GRBX HTR CIRCUIT BREAKER (CB211) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
ECS R NOSE GRBX HTR CIRCUIT BREAKER (CB211) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
ECS SHUTOFF VALVE DOES NOT OPERATE (PILOT ECS PANEL: ENCU SWITCH SET TO ON)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
ECS WSHLD WPR CIRCUIT BREAKER (CB71) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: WSHLD WIPER SWITCH SET TO LOW)	TM 1-1520-238-T-8	WINDSHIELD WIPERS
ECS WSHLD WPR CIRCUIT BREAKER (CB71) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – PILOT STATION)
EGI CANNOT LOAD GUV (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
EGI CIRCUIT BREAKER DOES NOT STAY CLOSED (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
EGI LT BUS NO-GO RFAB TAILCONE (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
EGI RT BUS NO-GO RFAB TAILCONE (ADD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM (ADD)
EGI (ONLY) FAILS TO ZEROIZE (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
EGI (ONLY) UNCOMMANDED ZEROIZE (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
EGI UNIT NO-GO RFAB TAILCONE MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2 TM 1-1520-238-T-3	EMBEDDED GPS-INERTIAL (ADD)
ELECTRICAL POWER DISTRIBUTION BOX FAN IS NOT OPERATING	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
EMERG BATT CAUT CIRCUIT BREAKER (CB29) DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
EMERG BATT CAUT CIRCUIT BREAKER (CB29) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – CPG STATION)
EMERG BATT CAUT CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
EMERG BATT ENG INST CIRCUIT BREAKER (CB31) DOES NOT STAY CLOSED (EXTERNAL POWER APPLIED)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
EMERG BATT ENG INST CIRCUIT BREAKER (CB31) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
EMERG BATT ICS CIRCUIT BREAKER (CB13) DOES NOT STAY CLOSED	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM
EMERG BATT ICS CIRCUIT BREAKER (CB13) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
EMERG BATT ICS CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
EMERG BATT UTIL SEC LT CIRCUIT BREAKER (CB30) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – CPG STATION)
EMERG BATT VHF AM/FM CIRCUIT BREAKER (CB32) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – CPG STATION)
EMERG BATT VHF AM/FM CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
EMERGENCY HYDRAULIC FLIGHT CONTROLS DO NOT OPERATE PROPERLY (PILOT CENTER CIRCUIT BREAKER PANEL: EMERG HYD CIRCUIT BREAKER CLOSED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
EMERGENCY HYDRAULIC FLIGHT CONTROLS DO NOT OPERATE PROPERLY (PILOT CENTER CIRCUIT BREAKER PANEL: EMERG HYD CIRCUIT BREAKER OPEN)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
EMERGENCY HYDRAULIC PRESSURE INDICATOR DOES NOT INDICATE 3000 PSI (PILOT INSTRUMENT PANEL: EMERG HYD SWITCH SET TO EMERG HYD)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
EMERGENCY HYDRAULIC PRESSURE INDICATOR EDGE-LIGHT IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
EMERG HYD CIRCUIT BREAKER (CB35) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
EMERG HYD CIRCUIT BREAKER (CB35) DOES NOT STAY CLOSED (PILOT INSTRUMENT PANEL: EMERG HYD SWITCH SET TO EMERG HYD)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
EMERG HYD SWITCH EDGE-LIGHT IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
EMERG PWR INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
EMERG PWR INDICATOR IS NOT LIGHTED WITH CKT B SWITCH CLOSED (EMERG PWR CHK OVSP TEST PANEL: CKT B SWITCH SET TO ENG 1)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
EMERG PWR INDICATOR IS NOT LIGHTED WITH CKT B SWITCH CLOSED (EMERG PWR CHK OVSP TEST PANEL: CKT B SWITCH SET TO ENG 2)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENG 1 ANTI ICE AND ENG 2 ANTI ICE INDICATORS ARE LIGHTED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 1 ANTI ICE AND ENG 2 ANTI ICE INDICATORS DO NOT LIGHT (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 1 ANTI ICE AND ENG 2 ANTI ICE INDICATORS REMAIN LIGHTED (PILOT POWER QUADRANT: ENG START NO 1 OR NO 2 SWITCH SET TO IGN OVRD AND PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 1 ANTI ICE INDICATOR DOES NOT LIGHT (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 1 ANTI ICE INDICATOR IS LIGHTED (ENGINE 1 AND 2 OPERATING)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 1 ANTI ICE INDICATOR IS LIGHTED (ENGINES 1 AND 2 OPERATING) (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 1 ANTI ICE INDICATOR IS LIGHTED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 1 FIRE PULL HANDLES DO NOT LIGHT (PILOT APU FIRE TEST PANEL: FIRE TEST DET SWITCH SET TO 1)	TM 1-1520-238-T-8	ENGINE 1 FIRE DETECTION
ENG 1 FIRE PULL HANDLES DO NOT LIGHT (PILOT APU FIRE TEST PANEL: FIRE TEST DET SWITCH SET TO 2)	TM 1-1520-238-T-8	ENGINE 1 FIRE DETECTION
ENG 1 FIRE PULL INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENG 1 FIRE PULL INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ENG 1 INDICATOR DOES NOT RELIGHT WITH CKT A AND CKT B SWITCHES RELEASED (PILOT POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO FLY AND EMERG PWR CHK OVSP TEST PANEL: CKT A AND CKT B SWITCHES RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENG 1 INDICATOR DOES NOT LIGHT (CPG MASTER CAUTION/WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENG 2 ANTI ICE INDICATOR DOES NOT LIGHT (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 2 ANTI ICE INDICATOR IS LIGHTED (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 2 ANTI ICE INDICATOR IS LIGHTED (ENGINES 1 AND 2 OPERATING) (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 2 ANTI ICE INDICATOR IS LIGHTED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG 2 FIRE PULL HANDLES DO NOT LIGHT (PILOT APU FIRE TEST PANEL: FIRE TEST DET SWITCH SET TO 1)	TM 1-1520-238-T-8	ENGINE 2 FIRE DETECTION
ENG 2 FIRE PULL HANDLES DO NOT LIGHT (PILOT APU FIRE TEST PANEL: FIRE TEST DET SWITCH SET TO 2)	TM 1-1520-238-T-8	ENGINE 2 FIRE DETECTION
ENG 2 FIRE PULL INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENG 2 FIRE PULL INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ENG 2 INDICATOR DOES NOT LIGHT (CPG MASTER CAUTION/WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-6	POWER PLANTS (ENGINE 2)
ENG CUT CIRCUIT BREAKER (CB60) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
ENG CUT CIRCUIT BREAKER DOES NOT STAY CLOSED (MASTER CAUTION/ WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
ENG ICE INDICATOR DOES NOT LIGHT WHEN ICING SEVERITY METER INDICATES GREATER THAN 0.0 G/M ³ (PILOT AFT CIRCUIT BREAKER PANEL: ECS BLADE DE-ICE CONTR AND ECS BLADE DE-ICE CIRCUIT BREAKERS CLOSED)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ENG ICE INDICATOR IS LIGHTED (PILOT ANTI ICE PANEL: ON/OFF/TEST SWITCH SET TO OFF AND AUTO/TRACE/LT/MOD SWITCH SET TO AUTO)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ENGINE 1 DOES NOT ACCELERATE (CPG POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO FLY)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 DOES NOT ACCELERATE (PILOT POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO FLY)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENGINE 1 DOES NOT ACCELERATE TO OR REMAINS BETWEEN 23% AND 25% N _G (CPG POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO OFF AND ENG START NO 1 SWITCH SET TO IGN OVRD)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 DOES NOT ACCELERATE TO OR REMAINS BETWEEN 23% AND 25% N _G (PILOT POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO OFF AND ENG START NO 1 SWITCH SET TO IGN OVRD)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 DOES NOT RESTART (EMERG PWR CHK OVSP TEST PANEL: CKT A AND CKT B SWITCHES RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 DOES NOT START (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO AFT POSITION (CPG FUEL PANEL: ORIDE SWITCH SET TO PLT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO AFT POSITION (CPG FUEL PANEL: TK SEL SWITCH SET TO FROM AFT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO AFT POSITION (PILOT FUEL PANEL: ENG 1 SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO CLOSED POSITION (CPG INSTRUMENT PANEL: ENG 1 FIRE PULL HANDLE PULLED)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO CLOSED POSITION (PILOT FUEL PANEL: ENG 1 AND ENG 2 SWITCHES SET TO OFF)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO CLOSED POSITION (PILOT FUEL PANEL: ENG 2 SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO FORWARD POSITION (CPG FUEL PANEL: TK SEL SWITCH SET TO FROM FWD)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO FORWARD POSITION (CPG INSTRUMENT PANEL: ENG 2 FIRE PULL HANDLE PUSHED)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO FORWARD POSITION (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO FWD TK)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO NORMAL POSITION (CPG FUEL PANEL: ORIDE SWITCH SET TO CPG)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO NORMAL POSITION (CPG FUEL PANEL: TK SEL SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO NORMAL POSITION (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 1 NGB FAIRING DOES NOT GET HOT (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENGINE 1 N_G DOES NOT DECREASE (EMERG PWR CHK OVSP TEST PANEL: CKT A AND B SWITCHES SET TO ENG 1)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENGINE 1 N _G DOES NOT DECREASE TO AND STABILIZE AT IDLE (CPG COLLECTIVE STICK: CHOP COLLAR TURNED FULL CLOCKWISE AND RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 N _G DOES NOT GO TO AND THEN STABILIZE AT IDLE (PILOT COLLECTIVE STICK: CHOP COLLAR TURNED FULL CLOCKWISE AND RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 N _G DOES NOT REMAIN STABLE (EMERG PWR CHK OVSP TEST PANEL: CKT A SWITCH SET TO ENG 1)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 N _G DOES NOT REMAIN STABLE (EMERG PWR CHK OVSP TEST PANEL: CKT B SWITCH SET TO ENG 1)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 1 OUT INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 OUT INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
ENGINE 1 OUT INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 OUT INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ENGINE 1 OUT INDICATORS ARE NOT LIGHTED (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE 1 STARTS THEN FLAMES OUT, AND FUEL CROSSFEED/SHUTOFF VALVE INDICATOR IS AT NORMAL (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENGINE 1 TORQUE INDICATION IS LOWER THAN ENGINE 2 TORQUE INDICATION, INDICATORS ARE NOT WITHIN 5% OF EACH OTHER (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	TORQUE SHARING SYSTEM
ENGINE 1 UPPER AFT FAIRING DOES NOT GET HOT (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENGINE 2 DOES NOT ACCELERATE (CPG POWER QUADRANT: ENGINE NO 2 PWR LEVER SET TO FLY)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 DOES NOT ACCELERATE (PILOT POWER QUADRANT: ENGINE NO 2 PWR LEVER SET TO FLY)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 DOES NOT ACCELERATE TO OR REMAIN BETWEEN 23% AND 25% N _G (CPG POWER QUADRANT: ENGINE NO 2 PWR LEVER SET TO OFF AND ENG START NO 2 SWITCH SET TO IGN OVRD)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 DOES NOT ACCELERATE TO OR REMAIN BETWEEN 23% AND 25% N _G (PILOT POWER QUADRANT: ENGINE NO 2 PWR LEVER SET TO OFF AND ENG START NO 2 SWITCH SET TO IGN OVRD)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 DOES NOT RESTART (PILOT EMERG PWR CHK OVSP TEST PANEL: CKT A AND CKT B SWITCHES RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 DOES NOT START (ENGINE 2 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO AFT POSITION (CPG FUEL PANEL: ORIDE SWITCH SET TO PLT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO AFT POSITION (CPG FUEL PANEL: TK SEL SWITCH SET TO FROM AFT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO AFT POSITION (PILOT FUEL PANEL: ENG 2 SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO CLOSED POSITION (CPG INSTRUMENT PANEL: ENG 2 FIRE PULL HANDLE PULLED)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO CLOSED POSITION (PILOT FUEL PANEL: ENG 1 AND ENG 2 SWITCHES SET TO OFF)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO FORWARD POSITION (CPG FUEL PANEL: TK SEL SWITCH SET TO FROM FWD)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO FORWARD POSITION (CPG INSTRUMENT PANEL: ENG 2 FIRE PULL HANDLE PUSHED)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO FORWARD POSITION (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO FWD TK)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO NORMAL POSITION (CPG FUEL PANEL: ORIDE SWITCH SET TO CPG)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENGINE 2 FUEL CROSSFEED/SHUTOFF VALVE INDICATOR DOES NOT MOVE TO NORMAL POSITION (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
ENGINE 2 NGB FAIRING DOES NOT GET HOT (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENGINE 2 N _G DOES NOT DECREASE TO AND STABILIZE AT IDLE (CPG COLLECTIVE STICK: PUSHED FORWARD AND CHOP COLLAR TURNED FULLY CLOCKWISE THEN RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 N _G DOES NOT DECREASE TO AND STABILIZE AT IDLE (PILOT COLLECTIVE STICK: PUSHED FORWARD AND CHOP COLLAR TURNED FULLY CLOCKWISE THEN RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 N _G DOES NOT REMAIN STABLE (EMERG CHK OVSP TEST PANEL: CKT A SWITCH SET TO ENG 2)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 OUT INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 OUT INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
ENGINE 2 OUT INDICATORS IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 OUT INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENGINE 2 OUT INDICATORS ARE NOT LIGHTED (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 STARTS THEN FLAMES OUT, AND FUEL CROSSFEED/SHUTOFF VALVE INDICATOR IS AT NORMAL POSITION (ENGINE 2 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENGINE 2 TORQUE INDICATION IS LOWER THAN ENGINE 1 TORQUE INDICATION, INDICATORS ARE NOT WITHIN 5% OF EACH OTHER (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	TORQUE SHARING SYSTEM
ENGINE 2 UPPER AFT FAIRING DOES NOT GET HOT (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO ON)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENGINE CHOP INDICATOR DOES NOT LIGHT (CYCLIC STICK: PUSHED FORWARD AND CHOP COLLAR TURNED CLOCKWISE AND RELEASED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE CHOP INDICATOR IS NOT LIGHTED (CPG CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENGINE CHOP INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ENGINE NOSE GEARBOX OIL LOSS IS INDICATED	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
ENGINE TORQUE DISPLAY ON PILOT VDU FLASHES OR IS NOT PRESENT (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ENG INLET ENG 1 INDICATOR IS NOT LIGHTED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	ENGINE ANTI-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENG INLET ENG 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ENG INLET ENG 1 INDICATOR REMAINS LIGHTED (ENGINE 1 AT 92% N _G RPM)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG INLET ENG 1 AND ENG 2 INDICATORS ARE NOT LIGHTED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG INLET ENG 2 INDICATOR IS NOT LIGHTED (PILOT ANTI ICE PANEL: ENG INLET ON/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG INLET ENG 2 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG INLET ENG 2 INDICATOR REMAINS LIGHTED (ENGINE 2 AT 92% N _G RPM)	TM 1-1520-238-T-8	ENGINE ANTI-ICE
ENG INST CIRCUIT BREAKER (CB17) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
ENG INST CIRCUIT BREAKER DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
ENG LVR CIRCUIT BREAKER (CB16) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
ENG START CIRCUIT BREAKER (CB58) DOES NOT STAY CLOSED	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
ENG START CIRCUIT BREAKER DOES NOT STAY CLOSED (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ENG START CIRCUIT BREAKER DOES NOT STAY CLOSED (ENGINE 2 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENG START CIRCUIT BREAKER (CB58) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
ENG START ENG 1 INDICATORS IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ENG START ENG 2 INDICATORS IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
ENG START NO 1 INDICATOR DOES NOT LIGHT (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENG START NO 1 INDICATOR REMAINS LIGHTED ABOVE 52% N _G (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
ENG START NO 2 INDICATOR DOES NOT LIGHT (ENGINE 2 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENG START NO 2 INDICATOR REMAINS LIGHTED ABOVE 52% N _G (ENGINE 2 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
ENG WARN CIRCUIT BREAKER (CB52) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
ENG WARN CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
ENG WARN CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	AUDIO WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
EVENT MARK TONE IS NOT HEARD (VIDEO RECORDER PANEL: MODE SWITCH SET TO PLAY AND PLAY SWITCH SET TO FWD)	TM 11-1520-238-23-2	VIDEO RECORDER
EXT EMP INDICATOR DOES NOT LIGHT WITH PILOT FUEL QUANTITY INDICATOR TOTAL DIGITAL READOUT NOT INCREASING (FUEL TRANSFERRING FROM EXTERNAL TANKS)	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
EXT EMP INDICATOR IS LIGHTED	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
EXT EMP INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO BATT)	TM 1-1520-238-T-6	EXTERNAL POWER AND GROUND SERVICE UTILITY RECEPTACLE
EXT EMP INDICATOR IS LIGHTED (PILOT FUEL PANEL: EXT TK SWITCH SET TO OFF)	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
EXT EMP INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
EXT STORES CONTROL BOX NO-GO AFT LH FAB APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
EXT STORES CONTROL BOX NO-GO AFT OF LH FAB AND ALL PYLN ACTUATOR CONTROLLER NO-GO'S APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
FC FCC AC CIRCUIT BREAKER (CB16) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 - CPG STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FC FCC DC CIRCUIT BREAKER (CB4) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
FC RCDR CIRCUIT BREAKER (CB8) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – CPG STATION)
FC RCDR CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	VIDEO RECORDER
FILLER CAP LOCKING TAB DOES NOT LOCK FILLER CAP	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
FIRE APU INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
FIRE APU INDICATOR IS NOT LIGHTED (PILOT APU FIRE TEST PANEL: FIRE TEST DET SELECTOR SET TO 1)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
FIRE APU INDICATOR IS NOT LIGHTED (PILOT APU FIRE TEST PANEL: FIRE TEST DET SELECTOR SET TO 2)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
FIRE APU INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
FIRE BOTTLE THERMAL DISCHARGE INDICATOR SHOWS SIGNS OF DISCHARGE	TM 1-1520-238-T-8	FIRE EXTINGUISHERS
FIRE DETR APU CIRCUIT BREAKER (CB11) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	APU FIRE DETECTION

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FIRE DETR APU CIRCUIT BREAKER (CB11) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FIRE DETR ENG 1 CIRCUIT BREAKER (CB12) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	ENGINE 2 FIRE DETECTION
FIRE DETR ENG 1 CIRCUIT BREAKER (CB12) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FIRE DETR ENG 2 CIRCUIT BREAKER (CB13) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	ENGINE 2 FIRE DETECTION
FIRE DETR ENG 2 CIRCUIT BREAKER (CB13) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FIRE EXTGH APU CIRCUIT BREAKER (CB26) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FIRE EXTGH CPG CIRCUIT BREAKER (CB15) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FIRE EXTGH PLT CIRCUIT BREAKER (CB25) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FIXED AIRCRAFT SYMBOL DOES NOT MOVE UP AND DOWN ON FACE OF GYROSCOPE (PULL CAGE KNOB ROTATED CLOCKWISE AND COUNTERCLOCKWISE)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FLASHING UPDATE SPHEROID IS NOT DISPLAYED ON SCRATCH PAD LINE (CDU: TOP RIGHT VAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
FLY TO DOES NOT CHANGE TO FLY TO 19 (CDU: FAB PRESSED, C6 ENTERED ON SCRATCH PAD AND VAB NEXT FLY TO DISPLAY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
FLY TO DOES NOT CHANGE TO UPDATE TO 3 (CDU: TOP RIGHT VAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
FORCE TRIM DOES NOT DISENGAGE (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO OFF)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
FORCE TRIM DOES NOT DISENGAGE (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO FORCE TRIM RELEASE)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
FORCE TRIM DOES NOT ENGAGE (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO ON)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
FORWARD DOES NOT APPEAR ON HOD (CPG FIRE CONTROL PANEL: SIGHT SELECT SWITCH SET TO TADS)	TM 11-1520-238-23-2	VIDEO RECORDER
FORWARD REMAINS ON HOD AFTER VID RCD SWITCH PRESSED (ORT: VID RCD SWITCH ACTIONED)	TM 11-1520-238-23-2	VIDEO RECORDER
FUEL APU CIRCUIT BREAKER (CB9) DOES NOT STAY CLOSED (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO RUN)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
FUEL APU CIRCUIT BREAKER (CB9) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FUEL BOOST SWITCH DOES NOT STAY ON (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO AFT TNK AND BOOST SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (APU OPERATING)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (CPG FUEL PANEL: BOOST SWITCH SET TO BOOST)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (CPG FUEL PANEL: CPG ORIDE SWITCH SET TO CPG)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO RUN)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 – PILOT STATION)
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (PILOT FUEL PANEL: BOOST SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO AFT TNK AND BOOST SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL BST CIRCUIT BREAKER (CB57) DOES NOT STAY CLOSED (PILOT POWER QUADRANT: ENGINES NO 1 AND NO 2 PWR LEVERS MOVED TO LOCKOUT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL BYP ENG 1 INDICATOR IS LIGHTED BUT FUEL FILTER IS NOT CLOGGED (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FUEL BYP ENG 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
FUEL BYP ENG 2 INDICATOR IS LIGHTED BUT FUEL FILTER IS NOT CLOGGED (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
FUEL BYP ENG 2 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
FUEL CONTINUES TO FLOW FROM SUMP DRAIN (AFT PUSH-TO-DRAIN CONTROL RELEASED)	TM 1-1520-238-T-7	HELICOPTER FUEL SYSTEM VISUAL CHECK
FUEL CONTINUES TO FLOW FROM SUMP DRAIN (FORWARD PUSH-TO-DRAIN CONTROL RELEASED)	TM 1-1520-238-T-7	HELICOPTER FUEL SYSTEM VISUAL CHECK
FUEL/DEFUEL CONTROLLABLE CHECK VALVE DOES NOT OPEN (FUEL FILLER CAP PULLED OUT OF FUEL CELL FILLER NECK)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
FUEL DOES NOT FLOW FROM ENGINE 1 NACELLE OVERBOARD DRAIN (CPG FUEL PANEL: BOOST SWITCH SET TO BOOST)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL DOES NOT FLOW FROM ENGINE 1 NACELLE OVERBOARD DRAIN (PILOT FUEL PANEL: BOOST SWITCH SET TO OFF)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL DOES NOT FLOW FROM ENGINE 1 NACELLE OVERBOARD DRAIN (PILOT FUEL PANEL: BOOST SWITCH SET TO ON)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL DOES NOT FLOW FROM ENGINE 2 NACELLE OVERBOARD DRAIN (CPG FUEL PANEL: BOOST SWITCH SET TO BOOST)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FUEL DOES NOT FLOW FROM SUMP DRAIN HOSE (AFT PUSH-TO-DRAIN CONTROL PUSHED)	TM 1-1520-238-T-7	HELICOPTER FUEL SYSTEM VISUAL CHECK
FUEL DOES NOT FLOW FROM SUMP DRAIN HOSE (FORWARD PUSH-TO-DRAIN CONTROL PUSHED)	TM 1-1520-238-T-7	HELICOPTER FUEL SYSTEM VISUAL CHECK
FUEL FILL CIRCUIT BREAKER (CB32) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FUEL FILL CIRCUIT BREAKER (CB32) DOES NOT STAY CLOSED (REFUELING PANEL: LVL CONT VALVE SWITCHES SET TO CLOSE)	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
FUEL FILL CIRCUIT BREAKER (CB32) DOES NOT STAY CLOSED (REFUELING PANEL: LVL CONT VALVE SWITCHES SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
FUEL FILLER CAP DOES NOT FIT INTO FUEL CELL FILLER PORT	TM 1-1520-238-T-7	GRAVITY REFUELING/DEFUELING
FUEL FLOW IS NOT PRESENT FROM ENGINE 1 OVERBOARD FUEL DRAIN (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO AFT TK AND BOOST SWITCH SET TO ON)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
FUEL FLOW IS NOT PRESENT (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO AFT TK AND BOOST SWITCH SET TO ON)	TM 1-1520-238-T-7	GRAVITY REFUELING/DEFUELING
FUEL FLOWS FROM ENGINE 1 NACELLE OVERBOARD DRAIN (CPG FUEL PANEL: TK SEL SWITCH SET TO NORM AND BOOST SWITCH MOVES TO OFF)	TM 1-1520-238-T-7	FUEL CROSSFEED/BOOST SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FUEL FLOWS FROM ENGINE 1 NACELLE OVERBOARD DRAIN (PILOT FUEL PANEL: CROSSFEED SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL FLOWS FROM ENGINE 2 NACELLE OVERBOARD DRAIN (CPG FUEL PANEL: TK SEL SWITCH SET TO NORM)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL IS CONTAMINATED (AFT FUEL CELL SAMPLE)	TM 1-1520-238-T-7	HELICOPTER FUEL SYSTEM VISUAL CHECK
FUEL IS CONTAMINATED (FORWARD FUEL CELL SAMPLE)	TM 1-1520-238-T-7	HELICOPTER FUEL SYSTEM VISUAL CHECK
FUEL LEAKAGE IS PRESENT (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO RUN)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
FUEL LEAKS ARE PRESENT	TM 1-1520-238-T-7	HELICOPTER FUEL SYSTEM VISUAL CHECK
FUEL LEAKS FROM FUEL CELL (FUEL LOADING)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
FUEL LOW AFT INDICATORS – ARE NOT LIGHTED	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL LOW AFT INDICATORS – ARE NOT LIGHTED WITH PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY INDICATING BETWEEN 22 AND 26	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL LOW FWD INDICATORS – ARE NOT LIGHTED WITH PILOT FUEL QUANTITY INDICATOR FWD VERTICAL DISPLAY INDICATING BETWEEN 20 AND 16	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL NOZZLE DOES NOT LOCK ONTO ADAPTER	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FUEL OR OIL LEAKAGE IS PRESENT (APU OPERATING)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
FUEL PSI ENG 1 INDICATOR IS LIGHTED (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
FUEL PSI ENG 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
FUEL PSI ENG 2 INDICATOR IS LIGHTED (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FUEL PSI ENG 2 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
FUEL QUANTITY INDICATOR DOES NOT SHOW TRANSFER (PILOT CENTER CIRCUIT BREAKER PANEL: FUEL BST CIRCUIT BREAKER OPEN) (ENGINE 1 SUPPLYING BLEED AIR FOR PAS)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
FUEL QTY INDICATION DOES NOT INDICATE F (FUEL LEVEL IN FILLER NECK BEGINNING FUEL LOADING)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
FUEL QTY INDICATOR DOES NOT INDICATE FUEL CELL BEING DEFUELED AT BEGINNING PRESSURE REFUELING	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FUEL SYSTEM AIR PRESSURE IS NOT HEARD VENTING OVERBOARD (REFUELING PANEL: REFUEL VALVE SWITCH SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FUEL TRANS CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL TRANS CIRCUIT BREAKER (CB56) DOES NOT STAY CLOSED (CPG FUEL PANEL: ORIDE SWITCH SET TO CPG AND TRANS SWITCH SET TO FWD)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL TRANS CIRCUIT BREAKER (CB56) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/ EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 – PILOT STATION)
FUEL TRANS CIRCUIT BREAKER (CB56) DOES NOT STAY CLOSED (PILOT FUEL PANEL: EXT TK SWITCH SET TO ON)	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
FUEL TRANS CIRCUIT BREAKER (CB56) DOES NOT STAY CLOSED (PILOT FUEL PANEL: TRANS SWITCH SET TO AFT)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FUEL TRANS CIRCUIT BREAKER DOES NOT STAY CLOSED WITH CPG TRANS SWITCH SET TO AFT	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL TRANS CIRCUIT BREAKER DOES NOT STAY CLOSED WITH CPG TRANS SWITCH SET TO FWD	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL TRANS CIRCUIT BREAKER DOES NOT STAY CLOSED WITH PILOT TRANS SWITCH SET AT TO FWD	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL TRANSFER PUMP IS NOT OPERATING WITH CPG FUEL TRANS SWITCH SET AT TO AFT	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL TRANSFER PUMP IS NOT OPERATING WITH CPG FUEL TRANS SWITCH SET AT TO FWD	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL TRANSFER PUMP IS NOT OPERATING WITH PILOT FUEL TRANS SWITCH SET AT TO AFT	TM 1-1520-238-T-7	ENGINE INSTRUMENTS
FUEL TRANSFER PUMP IS NOT OPERATING WITH PILOT FUEL TRANS SWITCH SET AT TO FWD	TM 1-1520-238-T-7	ENGINE INSTRUMENTS
FUEL VLV ACTR CIRCUIT BREAKER (CB14) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
FUEL XFEED CIRCUIT BREAKER DOES NOT STAY CLOSED (ADA)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL XFEED CIRCUIT BREAKER (CB55) DOES NOT STAY CLOSED (CPG FUEL PANEL: ORIDE SWITCH SET TO CPG)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL XFEED CIRCUIT BREAKER DOES NOT STAY CLOSED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT AFT (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUEL XFEED CIRCUIT BREAKER DOES NOT STAY CLOSED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT FORWARD (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FUEL XFEED CIRCUIT BREAKER DOES NOT STAY CLOSED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT NORMAL (ADB)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL XFEED CIRCUIT BREAKER (CB55) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/ EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)]
FUEL XFEED CIRCUIT BREAKER (CB55) DOES NOT STAY CLOSED (PILOT POWER QUADRANT: ENGINES NO 1 AND NO 2 PWR LEVERS MOVED TO LOCKOUT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
FUEL XFR/XFER ADVISORY LIGHTS ARE LIGHTED WITH PILOT AND CPG TRANS SWITCHES SET TO OFF	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
FUSELAGE FORMATION LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: FORM CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	FORMATION LIGHTS
FWD CLOSED INDICATOR IS LIGHTED (REFUELING PANEL: LVL CONT VALVES FWD TNK SWITCH SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FWD CLOSED INDICATOR IS NOT LIGHTED (REFUELING PANEL: LVL CONT VALVES FWD TNK SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FWD FUEL QTY INDICATOR DOES NOT INDICATE E (FUEL TRUCK UNABLE TO DEFUEL FORWARD FUEL CELL)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FWD FUEL QTY INDICATOR DOES NOT INDICATE E (REFUELING PANEL: FUEL QTY SWITCH SET TO OFF)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
FWD FUEL QTY INDICATOR DOES NOT INDICATE E (REFUELING PANEL: FUEL QTY SWITCH SET TO OFF)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FWD FUEL QTY INDICATOR DOES NOT INDICATE FORWARD FUEL LOAD (REFUELING PANEL: FUEL QTY SWITCH SET TO IND ON)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
FWD FUEL QTY INDICATOR DOES NOT INDICATE FORWARD FUEL LOAD (REFUELING PANEL: FUEL QTY SWITCH SET TO IND ON)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FWD FUEL QTY INDICATOR DOES NOT INDICATE SAME FUEL LOAD AS PILOT FUEL QUANTITY INDICATOR FWD VERTICAL DISPLAY (REFUELING PANEL: REFUEL VALVE SWITCH SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FWD FUEL QTY INDICATOR DOES NOT SHOW INCREASE DURING PRESSURE REFUELING	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
FWD VERTICAL SCALE ON PILOT FUEL QUANTITY INDICATOR DOES NOT SHOW INCREASE (PILOT FUEL PANEL: EXT TK SWITCH SET TO ON)	TM 1-1520-238-T-7	AUXILIARY FUEL SYSTEM
GEN 1 INDICATOR IS LIGHTED (APU OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
GEN 1 INDICATOR IS LIGHTED (EXTERNAL ELECTRICAL POWER REMOVED) (PILOT ELEC PWR PANEL: GEN 1 SWITCH SET TO GEN 1)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GEN 1 INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: GEN 1 SWITCH SET TO TEST)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GEN 1 INDICATOR IS NOT LIGHTED (APU OPERATING) (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR AND GEN 1 SWITCH SET TO OFF/RESET)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
GEN 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
GEN 2 INDICATOR IS LIGHTED (APU OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
GEN 2 INDICATOR IS LIGHTED (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
GEN 2 INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: GEN 2 SWITCH SET TO TEST)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GEN 2 INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: GEN 2 SWITCH SET TO GEN 2)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GEN 2 INDICATOR IS NOT LIGHTED (APU OPERATING) (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR AND GEN 2 SWITCH SET TO OFF/RESET)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GENERATOR 1 CONTROL NO-GO PLT ELEC PWR CNTR APPEARS ON HOD	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GENERATOR 1 NO-GO LH XMSN BAY APPEARS ON HOD	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GENERATOR 2 CONTROL NO-GO PLT ELEC PWR CNTR APPEARS ON HOD	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GENERATOR 2 NO-GO RH XMSN BAY APPEARS ON HOD	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
GHOST MISSILES APPEAR ON LAUNCHER (PILOT FCP: MASTER SWITCH SET TO ARM) (CPG FCP: CPG SWITCH SET TO ARM)	TM 9-1427-475-20	HME SYSTEM
GPS NO-GO MESSAGE DISPLAYED OR FOM IS 9 AND SV IS 0 (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
GRAYSCALE TEST PATTERN BRIGHTNESS AND CONTRAST CANNOT BE ADJUSTED (ORT: DSPL BRT AND DSPL CONT CONTROL KNOBS ADJUSTED)	TM 9-1270-221-23	IHADSS
GRAYSCALE TEST PATTERN BRIGHTNESS AND CONTRAST CANNOT BE ADJUSTED (PILOT FCP: IHADSS VID SYM BRT AND CONTRAST CONTROL KNOBS ADJUSTED)	TM 9-1270-221-23	IHADSS
GRAYSCALE TEST PATTERN DOES NOT APPEAR ON CPG HDU (ORT: GS SWITCH PRESSED)	TM 9-1270-221-23	IHADSS
GRAYSCALE TEST PATTERN DOES NOT APPEAR ON PILOT HDU (PILOT FCP: VID SEL SWITCH SET TO GRAYSCALE)	TM 9-1270-221-23	IHADSS
GRAYSCALE TEST PATTERN IMAGE IS OBSTRUCTED OR APPEARS DEGRADED ON PILOT OR CPG HDU (ORT: GS SWITCH PRESSED)	TM 9-1270-221-23	IHADSS
GRAYSCALE TEST PATTERN REMAINS ON HDU (ORT: VID SEL SWITCH SET TO TADS) (PILOT FCP: VID SEL SWITCH SET TO PLT)	TM 9-1270-221-23	IHADSS
GREEN ACCEPT INDICATOR ON AN/APM-424 TRANSPONDER TEST SET DOES NOT LIGHT FOR EACH MODE (PILOT IFF TRANSPONDER CONTROL PANEL: ANT SWITCH SET TO DIV) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
GREEN ACCEPT INDICATOR ON AN/APM-424 TRANSPONDER TEST SET DOES NOT LIGHT FOR EACH MODE (PILOT IFF TRANSPONDER CONTROL PANEL: IDENT/OUT/MIC SWITCH SET TO OUT) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
GREEN ACCEPT INDICATOR ON AN/APM-424 TRANSPONDER TEST SET DOES NOT LIGHT FOR EACH MODE (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 SWITCH SET TO ON) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
GREEN ACCEPT INDICATOR ON AN/APM-424 TRANSPONDER TEST SET DOES NOT LIGHT (TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
GROUND JACK IS DAMAGED AND WILL NOT ACCEPT GROUND PLUG	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
GROUND JACK IS DAMAGED AND WILL NOT ACCEPT GROUND PLUG	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
GS DATA IS NOT 150 KPH (CDU: KEYBOARD 150 ENTERED ON SCRATCH PAD AND VAB NEXT TO DISPLAYED WORD KPH PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
GUN CONTROL BOX NO-GO RH FAB APPEARS ON HOD	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
GUN FAIL APPEARS ON HOD (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO G)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
GUN FAIL APPEARS ON HOD (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
GUN TURRET DOES NOT UNSTOW (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO G)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
GUN TURRET LIMITS MESSAGE DOES NOT NOT APPEAR ON HOD WHEN GUN TURRET REACHES ITS LIMITS	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
GUN TURRET UNSTOWS TO OTHER THAN FIXED FORWARD (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO G)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
HANG START OCCURS AND TGT INCREASES BUT N_G DOES NOT REACH IDLE SPEED (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
HANG START OCCURS AND TGT INCREASES BUT N_G DOES NOT REACH IDLE SPEED (ENGINE 2 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
HARSATT? MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2	HARS (ADD)
HARSHDG? MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2	HARS (ADD)
HARSLAT? MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2	HARS (ADD)
HARVEL? MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2	HARS (ADD)
HARS CAL MESSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2	HARS (ADD)
HARS CONTROL PANEL EDGE-LIGHTS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	HARS
HBCM NO-GO – BIAS EXCEEDS 0.3 KTS – MESSAGE DISPLAYED (AN/ASN-137)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADC)
HARS GO APPEARS ON HOD	TM 11-1520-238-23-2	HARS
HARS GO DOES NOT APPEAR ON HOD (HARS PANEL: ALIGN SWITCH SET TO OPR)	TM 11-1520-238-23-2	HARS
HEADING TAPE DOES NOT APPEAR ON VDU DISPLAY (VDU: MODE SWITCH SET TO CPG)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
HIGH RPM ROTOR INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
HIGH RPM ROTOR INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
HIGH RPM ROTOR INDICATORS ARE LIGHTED (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
HISSING SOUND (STATIC) IS NOT HEARD (UHF-AM RECEIVER/TRANSMITTER: MODE SELECT SWITCH SET TO MAIN AND SQUELCH SWITCH SET TO OFF)	TM 11-1520-238-23-2	UHF-AM RADIO SET
HOD DISPLAYS A 140° C OR MORE READING FOR NGB 1 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A 140° C OR MORE READING FOR XMN 1 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A 140° C OR MORE READING FOR NGB 2 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A 140° C OR MORE READING FOR XMN 2 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A 28 LB OR LESS READING FOR NGB 1 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A 28 LB OR LESS READING FOR XMN 1 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A 28 LB OR LESS READING FOR NGB 2 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A 28 LB OR LESS READING FOR XMN 2 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING BETWEEN 96° C AND 139° C FOR XMN 1 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING BETWEEN 96° C AND 139° C XMN 2 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING BETWEEN 121° C AND 139° C FOR NGB 1 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING BETWEEN 121° C AND 139° C FOR NGB 2 OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING FROM 29 LB THROUGH 49 LB FOR XMN 1 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING FROM 29 LB THROUGH 49 LB FOR XMN 2 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING FROM 29 LB THROUGH 54 LB FOR NGB 1 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
HOD DISPLAYS A READING FROM 29 LB THROUGH 54 LB FOR NGB 2 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING FROM 50 LB TO 85 LB FOR XMN 1 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS A READING FROM 50 LB TO 85 LB FOR XMN 2 OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS NGB 1 HIGH OIL TEMPERATURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOD DISPLAYS NGB 1 LOW OIL PRESSURE	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
HOLD-OPEN DETENT DOES NOT HOLD CHECK VALVE CONTROL CABLE	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
HORIZON LINE ON VDU DISPLAY DOES NOT MOVE UP OR DOWN (VDU: PITCH TRIM CONTROL ADJUSTED)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
HOT BAT INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO BATT)	TM 11-1520-238-23-2	BATTERY CHARGER
HOT BAT OR CHARGER INDICATORS ARE LIGHTED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO BATT)	TM 1-1520-238-T-6	BATTERY
HOT BAT OR CHARGER INDICATORS ARE NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 11-1520-238-23-2	BATTERY CHARGER
HOT RECT 1 INDICATOR IS LIGHTED (APU OPERATING) (PILOT ELEC PWR PANEL: GEN 1 SWITCH SET TO GEN 1)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION
HOT RECT 2 INDICATOR IS LIGHTED (APU OPERATING) (PILOT ELEC PWR PANEL: GEN 2 SWITCH SET TO GEN 2)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
HSI BEARING DOES NOT CHANGE (ADF RCVR CONTROL PANEL: CW/VOICE/TEST SWITCH SET TO TEST)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
HSI BEARING POINTER IS NOT STABLE (RAI: PITCH TRIM CONTROL ADJUSTED)	TM 11-1520-238-23-2	HARS
HSI BEARING POINTER NO. 1 IS NOT AT 3 O'CLOCK POSITION (HARS PANEL: ALIGN SWITCH SET TO OPR)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
HSI BEARING POINTER NO. 2 AND RMI BEARING POINTER DO NOT PARK (ADF CONTROL PANEL: ADF TUNED TO UNUSED FREQUENCY)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
HSI BEARING POINTER NO. 2 AND RMI BEARING POINTER DO NOT ROTATE 90 DEGREES FROM PREVIOUS BEARING (ADF CONTROL PANEL: TEST/TONE SWITCH SET TO TEST)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
HSI BEARING POINTER NO. 2 AND RMI BEARING POINTER DO NOT ROTATE (ADF CONTROL PANEL: TEST/TONE SWITCH SET TO TEST)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
HSI BEARING POINTER NO. 2 AND RMI BEARING POINTER ROTATE, BUT INACCURATE (ADF CONTROL PANEL: MODE CONTROL SET TO ADF)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-149
HSI BEARING POINTER NO. 2 DOES NOT MOVE (ADF RCVR CONTROL PANEL: LOOP CONTROL ADJUSTED)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89
HSI BEARING POINTER NO. 2 DOES NOT MOVE, AUDIO VOLUME DOES NOT INCREASE AND DECREASE, OR TUNE METER NEEDLE DOES NOT MOVE UP AND DOWN (ADF RCVR CONTROL PANEL: MODE SWITCH SET TO LOOP AND LOOP CONTROL ADJUSTED)	TM 11-1520-238-23-2	AUTOMATIC DIRECTION FINDER (ADF) AN/ARN-89

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
HSI COMPASS CARD DOES NOT DISPLAY CORRECT HEADING	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
HSI COMPASS CARD DOES NOT INDICATE CHANGES	TM 11-1520-238-23-2	HARS
HSI COURSE BAR DOES NOT CHANGE (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
HSI COURSE SET POINTER AND COURSE SET DISPLAY DO NOT VARY SMOOTHLY AND READ THE SAME AT ALL POINTS (HSI: CRS SET CONTROL ADJUSTED)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
HSI DOES NOT CENTER ON COURSE AND DOPPLER MEM IS NOT DISPLAYED (AN/ASN-137) (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
HSI EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
HSI HDG FLAG DOES NOT GO OUT OF VIEW WITHIN 13 MINUTES (HARS PANEL: ALIGN SWITCH SET TO NORM)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
HSI HDG FLAG, RAI OFF FLAG AND RMI OFF FLAGS ARE IN VIEW OR HARS GO INDICATION IS NOT DISPLAYED	TM 11-1520-238-23-2	HARS
HSI HDG WARNING FLAG IS VISIBLE (ADC) AND HARS NO-GO (ADD)	TM 11-1520-238-23-2	HARS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
HSI HDG SET MARKER DOES NOT MOVE SMOOTHLY (HDG SET CONTROL KNOB ADJUSTED)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
HSI HDG WARNING FLAG IS VISABLE	TM 11-1520-238-23-2	HARS
HSI HDG WARNING FLAG REMAINS IN VIEW (HARS PANEL: ALIGN SWITCH SET TO ALIGN THEN FAST)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
HSI OFF (POWER WARNING) FLAG DOES NOT INDICATE OFF AND THEN RETURN TO UNMARKED POSITION (PILOT FORWARD CIRCUIT BREAKER PANEL: NAV HSI CIRCUIT BREAKER OPENED AND CLOSED)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
HYDRAULIC HAND PUMP DOES NOT SERVICE PRIMARY HYDRAULIC MANIFOLD RESERVOIR	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
HYDRAULIC HAND PUMP DOES NOT SERVICE UTILITY HYDRAULIC MANIFOLD RESERVOIR	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
ICE DETECTOR CONTROLLER NO-GO FIREWALL LH SIDE APPEARS ON HOD (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ICE DETECTOR SENSOR AIRFLOW DOES NOT STOP (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO OFF)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ICE DETECTOR SENSOR HAS NO AIRFLOW (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ICE DETECTOR SENSOR NO-GO ENG INLET LH SIDE APPEARS ON HOD (ACY) (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ICE DETECTOR SENSOR NO-GO DOGHOUSE FAIRING APPEARS ON HOD (ACZ) (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
ICING SEVERITY METER DOES NOT INDICATE 1.5 G/M ³ (PILOT INSTRUMENT PANEL: ICING SEVERITY METER: PRESS TO TEST SWITCH PRESSED)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ICING SEVERITY METER DOES NOT INDICATE GREATER THAN 0.0 G/M ³ WHEN ENG ICE INDICATOR IS LIGHTED (PILOT AFT CIRCUIT BREAKER PANEL: ECS BLADE DE-ICE CONTR AND ECS BLADE DE-ICE CIRCUIT BREAKERS CLOSED)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
IFF ANTENNA DAMAGE IS FOUND	TM 11-1520-238-23-2	IFF SYSTEM
IFF INDICATORS AND MODE 4 REPLY INDICATOR DO NOT LIGHT (MODE 4 AUDIO SWITCH SET TO LIGHT)	TM 11-1520-238-23-2	IFF SYSTEM
IFF INDICATORS AND MODE 4 REPLY INDICATOR DO NOT LIGHT (MODE 4 AUDIO SWITCH SET TO LIGHT) (KIR-1A/TSEC COMPUTER CODE CHANGED)	TM 11-1520-238-23-2	IFF SYSTEM
IFF INDICATORS DO NOT LIGHT (PILOT CENTER CIRCUIT BREAKER PANEL: COMM IFF CIRCUIT BREAKER OPENED)	TM 11-1520-238-23-2	IFF SYSTEM
IFF INDICATORS DO NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 SWITCH SET TO AUDIO)	TM 11-1520-238-23-2	IFF SYSTEM
IFF INDICATORS DO NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 CODE SWITCH SET TO ZERO, MODE 4 TEST SWITCH SET TO ON AND MODE 4 AUDIO SWITCH SET TO OUT, THEN MODE 4 CODE SWITCH SET TO A)	TM 11-1520-238-23-2	IFF SYSTEM
IFF INDICATORS DO NOT LIGHT (PILOT OR CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 11-1520-238-23-2	IFF SYSTEM
IFF INDICATORS LIGHT (KIT-1A/TSEC COMPUTER: CODE INSERTED BY KIK-18/TSEC) (KIR-1A/TSEC COMPUTER CONNECTED TO AN/APM-378 TEST SET)	TM 11-1520-238-23-2	IFF SYSTEM
IFF TRANSPONDER DAMAGE FOUND	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
IHADSLOS INVALID APPEARS ON CPG HDU (CPG FCP: BRSIT IHADSS SWITCH SET TO IHADSS)	TM 9-1270-221-23	IHADSS
IHADSLOS INVALID DOES NOT APPEAR ON CPG HDU (CPG HELMET RH OR LH IR SENSORS COVERED)	TM 9-1270-221-23	IHADSS
IHADSLOS INVALID DOES NOT APPEAR ON PILOT HDU (PILOT HELMET RH OR LH IR SENSORS COVERED)	TM 9-1270-221-23	IHADSS
IHADSS CIRCUIT BREAKER (CB1) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)
IHADSS CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1270-221-23	IHADSS
INS ATT? MESSAGE DISPLAYED	TM 1-1520-238-T-3 TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
INS HDG? MESSAGE DISPLAYED	TM 1-1520-238-T-3 TM 11-1520-238-23-2	EMBEDDED GPS-INERTIALB (ADD)
INS NO-GO MESSAGE DISPLAYED	TM 1-1520-238-T-3 TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
INS VEL? MESSAGE DISPLAYED	TM 1-1520-238-T-3 TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
INSUFF KEYS APPEARS ON GPS STATUS PAGE (ADD)	TM 11-1520-238-23-2	EMBEDDED GPS-INERTIAL (ADD)
INTERCOM SYSTEM (DSCRM ON MODE) TONE – IS NOT HEARD IN HEADSET (ADN)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN)
INTERNAL VIBRATOR IN CPG BAROMETRIC ALTIMETER IS NOT HEARD (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
INTERNAL VIBRATOR IN PILOT BAROMETRIC ALTIMETER IS NOT HEARD (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
INVALID CONFIGURATION MESSAGE DISPLAYED	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
IRCM CONTROL UNIT EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: R/CTR CSL CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	IR JAMMER SYSTEM AN/ALQ-144
IR JAM CAUTION INDICATOR DOES NOT LIGHT (IRCM CONTROL UNIT: ON/OFF SWITCH SET TO ON)	TM 11-1520-238-23-2	IR JAMMER SYSTEM AN/ALQ-144
IR JAM CAUTION INDICATOR REMAINS LIGHTED AFTER 45-75 SECONDS	TM 11-1520-238-23-2	IR JAMMER SYSTEM AN/ALQ-144
IR JAM POWER CIRCUIT BREAKER (CB63) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC GROUND CIRCUIT BREAKERS - PILOT STATION)
IR JAMMER XMTR CIRCUIT BREAKER (CB66) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 - PILOT STATION)
JETT CIRCUIT BREAKER (CB34) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
JETT CIRCUIT BREAKER (CB34) DOES NOT STAY CLOSED (CPG COLLECTIVE STICK: ST JTSN SWITCH PRESSED AND RELEASED)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
JETT CIRCUIT BREAKER (CB34) DOES NOT STAY CLOSED (PILOT COLLECTIVE STICK: ST JTSN SWITCH PRESSED AND RELEASED)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
JETT CIRCUIT BREAKER (CB34) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION (DC EMERGENCY BUS - PILOT STATION)
KIT STATUS INDICATOR LIGHTS (PILOT IFF COMPUTER TEST SET: MODE 4 CODE SWITCH SET TO B)	TM 11-1520-238-23-2	IFF SYSTEM
KIT STATUS INDICATOR LIGHTS (PILOT IFF COMPUTER TEST SET: MODE 4 CODE SWITCH SET TO LIGHT)	TM 11-1520-238-23-2	IFF SYSTEM
KIT STATUS INDICATOR LIGHTS (PILOT IFF COMPUTER TEST SET: MODE 4 CODE SWITCH SET TO ON)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
KIT STATUS INDICATOR ON IFF TRANSPONDER LIGHTS (PILOT IFF COMPUTER TEST SET: MODE 4 CODE SWITCH SET TO B) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
KIT STATUS INDICATOR ON IFF TRANSPONDER LIGHTS (PILOT IFF COMPUTER TEST SET: MODE 4 CODE SWITCH SET TO LIGHT) (KIR-1A/TSEC COMPUTER CODE CHANGED)	TM 11-1520-238-23-2	IFF SYSTEM
KIT STATUS INDICATOR ON IFF TRANSPONDER LIGHTS (PILOT IFF COMPUTER TEST SET: MODE 4 CODE SWITCH SET TO ON) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
LANDING/SEARCH LIGHT DOES NOT EXTEND (CPG COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO EXT)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT EXTEND (PILOT COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO EXT)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT LIGHT (CPG COLLECTIVE STICK: SRCH LT SWITCH SET TO ON)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT LIGHT (PILOT COLLECTIVE STICK: SRCH LT SWITCH SET TO ON)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT RETRACT (CPG COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO RET)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT RETRACT (PILOT COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO RET)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LANDING/SEARCH LIGHT DOES NOT ROTATE LEFT (CPG COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO L)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT ROTATE LEFT (PILOT COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO L)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT ROTATE RIGHT (CPG COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO R)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT ROTATE RIGHT (PILOT COLLECTIVE STICK: EXT/RET/L/R SWITCH SET TO R)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT STOW (CPG COLLECTIVE STICK: SRCH LT SWITCH SET TO STOW THEN OFF)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LANDING/SEARCH LIGHT DOES NOT STOW (PILOT COLLECTIVE STICK: SRCH LT SWITCH SET TO STOW THEN OFF)	TM 1-1520-238-T-6	LANDING/SEARCH LIGHT
LASE 1 AND TARGET MESSAGE (FIRST MISSILE) DO NOT ALTERNATELY FLASH ON HOD AND ARE NOT REPLACED BY TOF COUNTDOWN FOR SECOND MISSILE (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1427-475-20	HME SYSTEM
LASE 2 AND TARGET MESSAGES DO NOT ALTERNATELY FLASH ON HOD (CPG CYCLIC STICK: TRIGGER NOT PULLED TO SECOND DETENT)	TM 9-1427-475-20	HME SYSTEM
LASER CIRCUIT BREAKER (CB4) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 - CPG STATION)
LASER DETECTING SET - FAILS SELF-TEST FOR ALL SENSOR UNITS	TM 11-1520-238-23-2	LASER DETECTING SET AN/AVR-2A(V)1 (ADP)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LASER DETECTING SET – FAILS SELF-TEST FOR ONE OR BOTH LEFT SIDE SENSOR UNITS	TM 11-1520-238-23-2	LASER DETECTING SET AN/AVR-2A(V)1 (ADP)
LASER DETECTING SET – FAILS SELF-TEST FOR ONE OR BOTH RIGHT SIDE SENSOR UNITS	TM 11-1520-238-23-2	LASER DETECTING SET AN/AVR-2A(V)1 (ADP)
LASER DETECTING SET – FALSE ALARMS FOR ONE OR MORE SENSOR UNITS	TM 11-1520-238-23-2	LASER DETECTING SET AN/AVR-2A(V)1 (ADP)
LASER DETECTING SET – NO SELF-TEST DISPLAY	TM 11-1520-238-23-2	LASER DETECTING SET AN/AVR-2A(V)1 (ADP)
LASER DETECTING SET – SYNTHETIC VOICE MESSAGE DISTORTED OR GARBLED	TM 11-1520-238-23-2	LASER DETECTING SET AN/AVR-2A(V)1 (ADP)
LAT ACTUATOR NO-GO LH XMSN BAY APPEARS ON HOD	TM 1-1520-238-T-7	DASE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LEAKAGE OCCURS FROM FUEL CELLS DURING PRESSURE REFUELING	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
LEAKS ARE FOUND (FUEL TRANSFERRING FROM EXTERNAL TANKS)	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
LEFT AND RIGHT PILOT DIRECTIONAL PEDAL DOES NOT TRAVEL FULL FORWARD TO ITS STOP (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO OFF)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
LEFT AND RIGHT DISPLAYS ARE INCORRECT (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO GS/TK AND KEYBOARD KEYS ACTIONED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT AND RIGHT DISPLAYS ARE INCORRECT (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO SPH/VAR KEYBOARD KEYS ACTIONED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT AND RIGHT DISPLAYS ARE INCORRECT (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO XTK/TKE)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT AND RIGHT DISPLAYS ARE INCORRECT (CPG DPLR NAV PANEL: MODE SWITCH SET TO SPH/VAR)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT AND RIGHT DISPLAYS ARE INCORRECT (CPG DPLR NAV PANEL: MODE SWITCH SET TO UTM AND DISPLAY SWITCH SET TO WIND SP/DIR)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT AND RIGHT RED ANTI-COLLISION LIGHTS DO NOT FLASH (PILOT EXT LT/ INTR LT PANEL: ANTI COL SWITCH SET TO RED)	TM 1-1520-238-T-6	ANTI-COLLISION LIGHTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LEFT AND RIGHT WHITE ANTI-COLLISION LIGHTS DO NOT FLASH (PILOT EXT LT/ INTR LT PANEL: ANTI COL SWITCH SET TO WHT)	TM 1-1520-238-T-6	ANTI-COLLISION LIGHTS
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: DEST DISP THUMBWHEEL SET TO H AND KYBD ENTRIES MADE)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CDU: DEST DISP THUMBWHEEL SET TO NUMBER DISPLAYED ON TGT STR DISPLAY, DISPLAY SWITCH SET TO DEST/TGT AND TGT STR KEY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DEST/TGT AND DEST, DISP THUMBWHEEL SET TO P AND KEYBOARD KEYS ACTIONED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DIST/BRG/TIME AND FLY TO DEST THUMBWHEEL SET TO POSITIONS 1, 3, 5, 7 AND 9)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DIST/BRG/TIME AND FLY TO DEST THUMBWHEEL SET TO POSITIONS H, 2, 4, 6, 8 AND 0)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DEST/TGT, DEST DISP THUMBWHEEL SET TO 1 AND KEYBOARD KEYS ACTIONED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO DEST/TGT AND DEST DIST THUMBWHEEL SET TO P)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: DISPLAY SWITCH SET TO PP)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 0)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 2)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 4)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 5)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 6)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 7)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 8)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED AND DEST DISP THUMBWHEEL SET TO 9)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: KYBD KEY PRESSED, DEST DISP THUMBWHEEL SET TO 3 AND ENT KEY PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: MODE SWITCH SET TO BACKUP)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT, CENTER AND RIGHT DISPLAYS ARE NOT LIGHTED CORRECTLY (CPG DPLR NAV PANEL: MODE SWITCH SET TO LATT/LONG)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
LEFT DIRECTIONAL PEDAL DOES NOT REMAIN IN POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH PRESSURE REMOVED FROM FORCE TRIM RELEASE POSITION)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
LEFT FAB NORMAL FAN IS NOT OPERATING (PILOT ECS PANEL: STBY FAN SWITCH SET TO NORM)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
LEFT FAB STANDBY FAN IS NOT OPERATING (CPG AUX/ANTI-ICE PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
LEFT FAB STANDBY FAN IS NOT OPERATING (PILOT ECS PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
LEFT FORMATION LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: FORM CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	FORMATION LIGHTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LEFT INBOARD AND LEFT OUTBOARD PYLON ACTUATORS DO NOT RETURN TO GROUND STOW (PYLON ACTG SWITCH SET TO DOWN)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
LEFT INBOARD PYLON ACTUATORS DOES NOT RETURN TO GROUND STOW (PYLON ACTG SWITCH SET TO DOWN)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
LEFT INBOARD PYLON DOES NOT MOVE (PYLON ACTG SWITCH SET TO UP THEN DOWN)	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL
LEFT MAIN WHEEL DOES NOT ROTATE FREELY	TM 1-1520-238-T-4	MAIN LANDING GEAR
LEFT MAIN WHEEL LOOSE	TM 1-1520-238-T-4	MAIN LANDING GEAR
LEFT NAVIGATION LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: NAV SWITCH SET TO DIM OR BRT)	TM 1-1520-238-T-6	NAVIGATION LIGHTS
LEFT OUTBOARD PYLON ACTUATOR DOES NOT GO TO FLIGHT STOW (PYLON ACTG SWITCH SET TO UP)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
LEFT OUTBOARD PYLON ACTUATORS DOES NOT RETURN TO GROUND STOW (PYLON ACTG SWITCH SET TO DOWN)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
LEFT OUTBOARD PYLON DOES NOT MOVE (PYLON ACTG SWITCH SET TO UP THEN DOWN)	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL
LEFT RED ANTI-COLLISION LIGHT DOES NOT FLASH (PILOT EXT LT/INTR LT PANEL: ANTI COL SWITCH SET TO RED)	TM 1-1520-238-T-6	ANTI-COLLISION LIGHTS
LEFT, RIGHT AND CENTER TGT STR, FLY TO DEST, DEST DISP INDICATORS; MEM AND MAL INDICATORS; TGT STR, KYBD, CLR, AND ENT KEYS AND ALL KEYBOARD KEYS ARE LIGHTED (CPG DPLR NAV PANEL: MODE SWITCH SET TO LAMP TEST)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LEFT, RIGHT AND TAIL NAVIGATION LIGHTS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: NAV SWITCH SET TO DIM OR BRT)	TM 1-1520-238-T-6	NAVIGATION LIGHTS
LEFT, RIGHT, TAIL AND FUSELAGE FORMATION LIGHTS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: FORM CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	FORMATION LIGHTS
LEFT WHITE ANTI-COLLISION LIGHT DOES NOT FLASH (PILOT EXT LT/INTR LT PANEL: ANTI COL SWITCH SET TO WHT)	TM 1-1520-238-T-6	ANTI-COLLISION LIGHTS
LETTER E DOES NOT APPEAR AT THE LOWER RIGHT HAND WINDOW OF TEST SET VIEWFINDER (PILOT IFF TRANSPONDER CONTROL PANEL: IDENT/OUT/MIC SWITCH SET TO OUT) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
LETTER L DOES NOT APPEAR ON AND VIDEO DISPLAYED ON HOD; AND LS, THEN C AND R (R FLASHING) DO NOT APPEAR ON RIGHT SIDE OF HOD (DEK: DATA ENTRY SWITCH SET TO SP1 AND R SHIFT AND 3 KEYS PRESSED) (CPG MSL PANEL: MAN ADV/DE-ICE SWITCH MOMENTARILY PRESSED)	TM 9-1427-475-20	HME SYSTEM
LETTER P DOES NOT APPEAR AT THE LOWER RIGHT HAND WINDOW OF TEST SET VIEWFINDER (PILOT IFF TRANSPONDER CONTROL PANEL: IDENT/OUT/MIC SWITCH SET TO IDENT) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
LOBL CONSTRAINTS BOX MISSILE SEEKERS AND TADS TURRET DO NOT MOVE WITH MAN TRK SWITCH (ORT: SLAVE PRESSED AND MAN TRK SWITCH ACTIONED)	TM 9-1427-475-20	HME SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LOBL LARGE CONSTRAINTS BOX DOES NOT REDUCE TO LOAL SMALL CONSTRAINTS BOX SIZE (PLT MSL PANEL: LOAL SWITCH SET TO DIR)	TM 9-1427-475-20	HME SYSTEM
LOBL NORM AND UP=A (A FLASHING) DO NOT APPEAR ON VDU (PILOT MSL PANEL: LSR CODE SWITCH SET TO UPPER)	TM 9-1427-475-20	HME SYSTEM
LOBL NORM DOES NOT APPEAR ON HOD (CPG MSL PANEL: MODE SWITCH SET TO NORM AND CPG FCP: MSL CHAN SEL SWITCH SET TO UPR)	TM 9-1427-475-20	HME SYSTEM
LOBL STBY AND LOBL LARGE DASHED CONSTRAINTS BOX DO NOT APPEAR ON HOD (CPG FCP: CHAN SEL SWITCH SET TO UPR)	TM 9-1427-475-20	HME SYSTEM
LOCKING TAB IS BROKEN OR FILLER CAP DOES NOT ROTATE SMOOTHLY	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
LONG ACTUATOR NO-GO RH XMSN BAY APPEARS ON HOD	TM 1-1520-238-T-7	DASE
LOWER CHANNEL CANNOT BE SELECTED (PILOT MSL PANEL: LOAL SWITCH SET TO LO AND LSR CODE SWITCH SET TO LOWER)	TM 9-1427-475-20	HME SYSTEM
LOW ROTOR AUDIO WARNING IS NOT HEARD IN BOTH HEADSETS (PILOT ENG-RTR RPM% INDICATOR: N _p BETWEEN 80% TO 85%)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
LOW RPM ROTOR INDICATOR IS NOT LIGHTED (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
LOW RPM ROTOR INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LOW RPM ROTOR INDICATOR REMAINS LIGHTED ABOVE 93% N _R (PILOT ENG-RTR RPM% INDICATOR : N _P BETWEEN 80% TO 85%)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
LOW RPM ROTOR INDICATORS ARE NOT LIGHTED (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
LSR DET CIRCUIT BREAKER (CB96) – DOES NOT STAY CLOSED OR 28 VDC IS NOT PRESENT AT (A76) J1-AA	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 – PILOT STATION)
LT ANTI COL CIRCUIT BREAKER (CB40) DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
LT CAUT CIRCUIT BREAKER (CB21) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
LT CAUT CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
LT CAUT CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
LT FORM CIRCUIT BREAKER (CB90) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
LT NAV CIRCUIT BREAKER (CB73) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 – PILOT STATION)
LT PRI CIRCUIT BREAKER (CB39) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
LT SRCH/LDG CIRCUIT BREAKER (CB22) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
LT SRCH/LDG CONTR CIRCUIT BREAKER (CB80) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
LT UTIL SEC CIRCUIT BREAKER (CB23) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
LT UTIL SEC CIRCUIT BREAKER (CB23) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	PILOT UTILITY AND SECONDARY LIGHTS
LT UTIL SEC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
M 1.0 DOES NOT APPEAR IN RANGE SOURCE MESSAGE ON PILOT VDU (PILOT ROCKET CONTROL PANEL: RANGE SWITCH SET TO 1.0KM)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
MA INDICATOR IS NOT LIGHTED (PILOT FIRE CONTROL PANEL: MASTER SWITCH SET TO OFF)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
MAIN ROTOR AUTOROTATION RPM TOO HIGH OR LOW	TM 1-1520-238-T-4	AUTOROTATION RPM CHECK/ ADJUSTMENT
MAIN ROTOR BLADE ASSEMBLY DOES NOT ROTATE (PILOT POWER QUADRANT: RTR BK SWITCH SET TO OFF)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
MAIN ROTOR BLADES OUT OF TRACK OR BALANCE	TM 1-1520-238-T-4	MAIN ROTOR TRACK AND BALANCE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MAIN ROTOR HEATER NO-GO MAIN ROTOR APPEARS ON HOD (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
MAIN ROTOR OR TAIL ROTOR DO NOT ROTATE (ENGINE START SEQUENCE COMPLETED)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
MAINTENANCE LIGHT IN AFT AVIONICS BAY DOES NOT LIGHT (RHEOSTAT ROTATED TO BRT)	TM 1-1520-238-T-6	MAINTENANCE LIGHTS
MAINTENANCE LIGHT IN RIGHT FAB BAY DOES NOT LIGHT (RHEOSTAT ROTATED TO BRT)	TM 1-1520-238-T-6	MAINTENANCE LIGHTS
MAINT LT CIRCUIT BREAKER (CB8) DOES NOT STAY CLOSED (BATTERY CONNECTED)	TM 1-1520-238-T-6	MAINTENANCE LIGHTS
MA LAMP DOES NOT START FLASHING WITHIN 6 SECONDS AFTER APPEARANCE OF SECOND STROBE (RADAR WARNING CONTROL UNIT: DSCRM SWITCH SET TO ON AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
MA LAMP FAILS TO FLASH AFTER 6 SECONDS (RADAR WARNING CONTROL PANEL: DSCRM SWITCH SET TO OFF AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1
MA LAMP FAILS TO FLASH AND ALARM TONE IS NOT PRESENT AFTER 6 SECONDS (RADAR WARNING CONTROL PANEL: DSCRM SWITCH SET TO ON AND AFTER ONE MINUTE SELF TEST KEY PRESSED)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1
MAL AND MEM INDICATORS DO NOT LIGHT, DIM OR BRIGHTEN (CPG INTR LT PANEL: INST CONTROL ROTATED FROM BRT TO OFF THEN BACK TO BRT)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MAN STAB AND MASTER CAUTION INDICATORS DO NO FLASH	TM 1-1520-238-T-7	STABILATOR
MAN STAB INDICATOR DOES NOT REMAIN LIGHTED WHEN ND/NU SWITCH IS RELEASED	TM 1-1520-238-T-7	STABILATOR
MAN STAB INDICATORS DO NOT FLASH (PILOT AFT CIRCUIT BREAKER PANEL: STAB AUTO AC AND STAB AUTO DC CIRCUIT BREAKERS OPENED)	TM 1-1520-238-T-7	STABILATOR
MAN STAB INDICATORS DO NOT FLASH (PITOT TESTER: AIRSPEED SET TO 83 ± 2 KNOTS)	TM 1-1520-238-T-7	STABILATOR
MAN STAB INDICATORS DO NOT LIGHT (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-7	STABILATOR
MAN STAB INDICATORS FLASH (PITOT TESTER: AIRSPEED SET TO 60 ± 2 KNOTS)	TM 1-1520-238-T-7	STABILATOR
MAN STAB INDICATORS ON AUTO MODE DOES NOT ENGAGE AND STAB POS INDICATORS DO NOT GO TO $25 \pm 2^\circ$ ND	TM 1-1520-238-T-7	STABILATOR
MAN STAB MOVES DOWN BUT NOT UP	TM 1-1520-238-T-7	STABILATOR
MAN STAB MOVES UP BUT NOT DOWN	TM 1-1520-238-T-7	STABILATOR
MANUAL 1000 MTRS AND RANGE DOES NOT APPEAR ON HOD (DEK: RANGE ENTERED)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
MASTER CAUTION INDICATOR IS NOT LIGHTED AND FLASHING (CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
MASTER CAUTION INDICATOR IS NOT LIGHTED AND FLASHING (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MASTER CAUTION INDICATOR LIGHTS (PILOT COLLECTIVE STICK: RESET PUSHBUTTON PRESSED)	TM 1-1520-238-T-7	STABILATOR
MASTER CAUTION INDICATORS DO NOT FLASH (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-7	STABILATOR
MASTER CAUTION INDICATORS DO NOT FLASH (PITOT TESTER: AIRSPEED SET TO 83 ±2 KNOTS)	TM 1-1520-238-T-7	STABILATOR
MASTER CAUTION INDICATORS REMAIN LIGHTED (CPG COLLECTIVE STICK: RESET BUTTON PRESSED)	TM 1-1520-238-T-7	STABILATOR
MASTER CAUTION/WARNING PANEL INDICATORS ARE NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
MF, SF AND THEN FAIL FAIL APPEAR ON HOD FOR THE INSTALLED LAUNCHER (PILOT FCP: MASTER SWITCH SET TO ARM AND CPG FCP: CPG SWITCH SET TO ARM)	TM 9-1427-475-20	HME SYSTEM
MIN DISPLAY DOES NOT INDICATE INCREASING TIME (ORT: VID REC SWITCH ACTIONED)	TM 11-1520-238-23-2	VIDEO RECORDER
MIN DISPLAY DOES NOT OPERATE PROPERLY (VIDEO RECORDER CONTROL PANEL: MODE SWITCH SET TO RWND)	TM 11-1520-238-23-2	VIDEO RECORDER
MIN DISPLAY IS NOT LIGHTED (VIDEO RECORDER CONTROL PANEL: MODE SWITCH SET TO STBY)	TM 11-1520-238-23-2	VIDEO RECORDER
MIN DISPLAY IS NOT STILL (VIDEO RECORDER CONTROL PANEL: VIDEO RECORDER IN STILL MODE)	TM 11-1520-238-23-2	VIDEO RECORDER
MISSILE 1 NO-GO LT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MISSILE 1 NO-GO LT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 1 NO-GO RT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 1 NO-GO RT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 2 NO-GO LT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 2 NO-GO LT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 2 NO-GO RT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 2 NO-GO RT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 3 NO-GO LT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 3 NO-GO LT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 3 NO-GO RT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 3 NO-GO RT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 4 NO-GO LT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 4 NO-GO LT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 4 NO-GO RT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE 4 NO-GO RT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE FAILS TO CODE (CPG FCP: CHAN SEL SWITCH SET TO UPR)	TM 9-1427-475-20	HME SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MISSILE INDICATOR ON CPG CAUTION/ WARNING PANEL LIGHTS (DEK: DATA ENTRY SWITCH SET TO STANDBY) (CPG FCP: MSL SWITCH SET TO OFF FOR TWO TO THREE MINUTES TO ALLOW MISSILE SEEKER TO SPIN DOWN, THEN MSL SWITCH SET TO ON)	TM 9-1427-475-20	HME SYSTEM
MISSILE LAUNCHER NO-GO LT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE LAUNCHER NO-GO LT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE LAUNCHER NO-GO LT OUTBD AND MISSILE LAUNCHER NO-GO LT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE LAUNCHER NO-GO RT INBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSILE LAUNCHER NO-GO RT OUTBD APPEARS ON HOD	TM 9-1427-475-20	HME SYSTEM
MISSION ARM CONTR CIRCUIT BREAKER (CB46) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL
MISSION ARM CONTR CIRCUIT BREAKER (CB46) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 - PILOT STATION)
MISSION ARM CONTR CIRCUIT BREAKER (CB46) DOES NOT STAY CLOSED (PYLON ACTG SWITCH ACTIONS PYLONS UP THEN DOWN)	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL
MISSION ARM CONTR CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
MISSION EL AC CIRCUIT BREAKER (CB92) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MISSION EL AC CIRCUIT BREAKER (CB92) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
MISSION EL AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
MISSION EL AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
MISSION EL DC CIRCUIT BREAKER (CB93) DOES NOT STAY CLOSED	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL
MISSION EL DC CIRCUIT BREAKER (CB93) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
MISSION EL DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
MISSION EL DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
MISSION FC DC CIRCUIT BREAKER (CB50) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
MISSION FC DC CIRCUIT BREAKER DOES NOT STAY CLOSED (CPG FCP: RKT SWITCH SET TO NORM)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MISSION FC DC CIRCUIT BREAKER DOES NOT STAY CLOSED (CPG FCP: RKT SWITCH SET TO GND STOW)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MISSION FC DC CIRCUIT BREAKER DOES NOT STAY CLOSED (SQUAT SWITCH FIXTURE INSTALLED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MISSION FC DC CIRCUIT BREAKER OPENS (CPG FCP: GUN SWITCH SET TO FXD)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MISSION FC DC CIRCUIT BREAKER OPENS (CPG FCP: MSL SWITCH SET TO ON)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MISSION FC DC CIRCUIT BREAKER OPENS (CPG FCP: SYSTEM TADS SWITCH SET TO TADS) (CPG COLLECTIVE STICK: NVS SWITCH SET TO TADS)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MISSION FC DC CIRCUIT BREAKER OPENS (ORT LH GRIP: RKT/GUN/MSL SWITCH SET TO GUN)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MISSION IHADSS CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1270-221-23	IHADSS
MISSION IR JAM PWR CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	IR JAMMER SYSTEM AN/ALQ-144
MISSION JETT CIRCUIT BREAKER (CB89) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 – PILOT STATION)
MISSION PEN AIDS CONTR CIRCUIT BREAKER (CB49) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 – PILOT STATION)
MISSION PEN AIDS CONTR CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	IR JAMMER SYSTEM AN/ALQ-144
MISSION PEN AIDS CONTR CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136
MISSION PNVS AC CIRCUIT BREAKER (CB81) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MISSION PNVS DC CIRCUIT BREAKER (CB61) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
MISSION RDR JAM AC CIRCUIT BREAKER (CB74) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
MISSION RDR JAM AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136
MISSION RDR JAM DC CIRCUIT BREAKER (CB72) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC GROUND CIRCUIT BREAKERS – PILOT STATION)
MISSION RDR JAM DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136
MISSION RKT ELEX CIRCUIT BREAKER (CB47) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
MISSION RKT ELEX CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
MISSION SYM GEN CIRCUIT BREAKER (CB45) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
MISSION SYM GEN CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	SYMBOL GENERATOR

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MODE UTM DOES NOT CHANGE TO MODE L/L (CDU: VAB NEXT TO DISPLAYED WORD ADMIN PRESSED AND THEN VAB NEXT TO DISPLAYED WORDS MODE UTM PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
MOISTURE LEVEL TOO HIGH (PILOT ECS PANEL: TEMP CONTROL SET TO COLD OR WARM)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
MSL ARM CIRCUIT BREAKER (CB27) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC GROUND CIRCUIT BREAKERS – CPG STATION)
MSL DC ELEC CIRCUIT BREAKER (CB17) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
MSL FAIL APPEARS ON HOD (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO M)	TM 9-1427-475-20	HME SYSTEM
MSL L INBD LCHR AC CIRCUIT BREAKER (CB23) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)
MSL L INBD LCHR DC CIRCUIT BREAKER (CB24) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC GROUND CIRCUIT BREAKERS – CPG STATION)
MSL L OUTBD LCHR AC CIRCUIT BREAKER (CB26) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MSL L OUTBD LCHR DC CIRCUIT BREAKER (CB25) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC GROUND CIRCUIT BREAKERS – CPG STATION)
MSL R INBD LCHR AC CIRCUIT BREAKER (CB21) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)
MSL R INBD LCHR DC CIRCUIT BREAKER (CB22) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC GROUND CIRCUIT BREAKERS – CPG STATION)
MSL R OUTBD LCHR AC CIRCUIT BREAKER (CB18) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)
MSL R OUTBD LCHR DC CIRCUIT BREAKER (CB19) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC GROUND CIRCUIT BREAKERS – CPG STATION)
MSL SEL? DOES NOT APPEAR ON HOD (CPG CYCLIC STICK: R/G/M/C SWITCH MOMENTARILY SET TO M)	TM 9-1427-475-20	HME SYSTEM
MSL SEL? DOES NOT APPEAR ON HOD (ORT LH GRIP: RKT/GUN/MSL SWITCH SET TO MSL)	TM 9-1427-475-20	HME SYSTEM
MU APPEARS ON HOD (PILOT FCP: MASTER SWITCH SET TO ARM AND CPG FCP: CPG SWITCH SET TO ARM)	TM 9-1427-475-20	HME SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MU MESSAGE DOES NOT APPEAR ON FOR ANY SINGLE LAUNCHER (LAUNCHER SET TO UNLATCHED POSITION)	TM 9-1427-475-20	HME SYSTEM
MUX COMMUNICATION NO-GO CPG COMPARTMENT APPEARS ON HOD (PRI BUS DETACHED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MUX COMMUNICATION NO-GO CPG COMPARTMENT APPEARS ON HOD (SEC BUS DETACHED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
MUX CPG CIRCUIT BREAKER (CB15) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
MUX FAB L CIRCUIT BREAKER (CB10) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
MUX FAB R CIRCUIT BREAKER (CB9) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
MUX L PYL INBD CIRCUIT BREAKER (CB1) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
MUX L PYL OUTBD CIRCUIT BREAKER (CB2) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
MUX R PYL INBD CIRCUIT BREAKER (CB5) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
MUX R PYL OUTBD CIRCUIT BREAKER (CB6) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – CPG STATION)
NA APPEARS ON HOD (PILOT FCP: MASTER SWITCH SET TO ARM AND CPG FCP: CPG SWITCH SET TO ARM)	TM 9-1427-475-20	HME SYSTEM
NAV AIR DATA AC CIRCUIT BREAKER (CB84) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
NAV AIR DATA AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1230-476-20-2	AIR DATA SYSTEM
NAV AIR DATA DC CIRCUIT BREAKER (CB69) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	PITOT ANTI-ICE
NAV AIR DATA DC CIRCUIT BREAKER (CB69) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
NAV AIR DATA DC CIRCUIT BREAKER (CB69) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
NAV AIR DATA DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 9-1230-476-20-2	AIR DATA SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
NAV AIR DATA DC CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON THEN OFF AND CPG AUX/ANTI-ICE PANEL: ADSS SWITCH SET TO OFF)	TM 9-1230-476-20-2	AIR DATA SYSTEM
NAV B CONTROL DOES NOT ADJUST VOLUME (CPG AND PILOT CSC PANELS: NAV B CONTROL ADJUSTED)	TM 11-1520-238-23-2	VIDEO RECORDER
NAV DPLR CIRCUIT BREAKER (CB82) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
NAV DPLR CIRCUIT BREAKER DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
NAV DPLR CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-128
NAV HARS AC CIRCUIT BREAKER (CB42) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
NAV HARS AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	HARS
NAV HARS DC CIRCUIT BREAKER (CB54) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
NAV HARS DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	HARS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
NAV HSI CIRCUIT BREAKER (CB43) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
NAV HSI CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
NAV TOP LEVEL POWER ON PRESENT POSITION PAGE IS DISPLAYED	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
NAV VDU CIRCUIT BREAKER (CB91) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – PILOT STATION)
ND/NU SWITCH SET TO ND BOTTOM PISTON FAILS TO MOVE STABILATOR	TM 1-1520-238-T-7	STABILATOR
ND/NU SWITCH SET TO ND TOP PISTON FAILS TO MOVE STABILATOR	TM 1-1520-238-T-7	STABILATOR
ND/NU SWITCH SET TO NU TOP PISTON FAILS TO MOVE STABILATOR (BOTTOM STAB ACTUATOR EXTENDS FULLY)	TM 1-1520-238-T-7	STABILATOR
ND/NU SWITCH SET TO NU BOTTOM PISTON FAILS TO MOVE STABILATOR (TOP STAB ACTUATOR EXTENDS FULLY)	TM 1-1520-238-T-7	STABILATOR
NGB 1 OIL PRESSURE DISPLAY IS NOT 00 LB	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
NGB 1 OIL TEMPERATURE DISPLAY DOES NOT INDICATE -31° C	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
NGB 2 OIL PRESSURE DISPLAY IS NOT 00 LB	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
NGB 2 OIL TEMPERATURE DISPLAY DOES NOT INDICATE -31° C	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
NGB (LEFT OR RIGHT) DIFFERENTIAL PRESSURE INDICATOR IS EXTENDED	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
NGB OIL LOSS IS INDICATED	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
N _G RPM% DIGITAL READOUT 1 AND 2 DOES NOT STABILIZE AT 22% MINIMUM	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
N _G RPM% DIGITAL READOUT 1 DOES NOT STABILIZE AT 22% MINIMUM (PILOT POWER QUADRANT: ENG START NO 2 SWITCH SET TO IGN OVRD)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
NITROGEN INERT CIRCUIT BREAKER (CB94) DOES NOT STAY CLOSED	TM 1-1520-238-T-7	NITROGEN INERTING SYSTEM
NITROGEN INERT MONITOR INDICATOR IS NOT BLACK	TM 1-1520-238-T-7	NITROGEN INERTING SYSTEM
NITROGEN INERT MONITOR INDICATOR IS NOT BLACK AND WHITE (FAIL) (NITROGEN INERT MONITOR INDICATOR: PRESS TO TEST SWITCH PRESSED FOR 10 SECONDS)	TM 1-1520-238-T-7	NITROGEN INERTING SYSTEM
NIU IS NOT OPERATING (UTILITY RECEPTACLE CIRCUIT BREAKER BOX: NITROGEN INERT CIRCUIT BREAKER CLOSED)	TM 1-1520-238-T-7	NITROGEN INERTING SYSTEM
NO DTC MESSAGE REMAINS WITH DTC INSTALLED (ADD)	TM 1-1520-238-T-3	DTU (ADD)
NOE/APRCH SWITCH DISENGAGES OR STAB INDICATORS DO NOT INDICATE $25 \pm 2^\circ$	TM 1-1520-238-T-7	STABILATOR
NO-GO INDICATOR LIGHTS AT THE END OF THE BITE TEST (PILOT INSTRUMENT PANEL: JAM/TEST/GO/NO-GO INDICATOR MOMENTARILY PRESSED AND RELEASED)	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136
N _P FLUCTUATES (PILOT POWER QUADRANT: ENGINE NO 1 PWR LEVER SET TO LOCKOUT THEN MOVED BETWEEN FLY AND IDLE)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
N _P FLUCTUATES (PILOT POWER QUADRANT: ENGINE NO 2 PWR LEVER SET TO LOCKOUT THEN MOVED BETWEEN FLY AND IDLE)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
N _R RPM% DIGITAL READOUT 2 DOES NOT STABILIZE AT 22% MINIMUM (PILOT POWER QUADRANT: ENG START NO 1 SWITCH SET TO IGN OVRD)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
OAS ARM ASSEMBLY DOES NOT ROTATE (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SET TO OFF AND CPG AUX/ANTI-ICE PANEL: ADSS SWITCH SET TO ADSS)	TM 9-1230-476-20-2	AIR DATA SUBSYSTEM
OFF FLAG ON SAI IS NOT VISIBLE (PULL TO CAGE KNOB ROTATED)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
OFF FLAG ON SAI IS VISIBLE (PULL TO CAGE KNOB ROTATED COUNTERCLOCKWISE) (PILOT CENTER CIRCUIT BREAKER PANEL: STBY ATTD CIRCUIT BREAKER CLOSED)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
OIL BYP ENG 1 INDICATOR IS LIGHTED BUT OIL FILTER IS NOT CLOGGED (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
OIL BYP ENG 1 INDICATOR IS NOT LIGHTED (PILOT CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
OIL BYP ENG 2 INDICATOR IS LIGHTED BUT OIL FILTER IS NOT CLOGGED (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
OIL BYP ENG 2 INDICATOR IS NOT LIGHTED (PILOT CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
OIL BYP PRI HYD INDICATOR IS NOT LIGHTED (EXTERNAL PRIMARY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
OIL BYP PRI UTIL INDICATOR IS NOT LIGHTED (EXTERNAL UTILITY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
OIL HOT MAIN XMSN 1 INDICATOR IS LIGHTED (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL HOT MAIN XMSN 1 INDICATOR LIGHTS AND HOD DISPLAYS A 70° C TO 95° C OIL TEMPERATURE READING FOR XMSN 1 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL HOT MAIN XMSN 1 INDICATOR LIGHTS AND HOD DISPLAYS A 96° C AND 139° C OIL TEMPERATURE READING FOR XMSN 1 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL HOT MAIN XMSN 2 INDICATOR IS LIGHTED (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL HOT MAIN XMSN 2 INDICATOR LIGHTS AND HOD DISPLAYS A 70° C TO 95° C OIL TEMPERATURE READING FOR XMSN 2 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL HOT MAIN XMSN 2 INDICATOR LIGHTS AND HOD DISPLAYS A 96° C TO 139° C OIL TEMPERATURE READING FOR XMSN 2 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL HOT NOSE GRBX 1 INDICATOR IS LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL HOT NOSE GRBX 1 INDICATOR LIGHTS AND HOD DISPLAYS A 103° C TO 120° C OIL TEMPERATURE READING FOR NGB 1 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL HOT NOSE GRBX 1 INDICATOR LIGHTS AND HOD DISPLAYS A 121° C AND 139° C OIL TEMPERATURE READING FOR NGB 1 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
OIL HOT NOSE GRBX 2 INDICATOR IS LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL HOT NOSE GRBX 2 INDICATOR LIGHTS AND HOD DISPLAYS A 103° C TO 120° C OIL TEMPERATURE READING FOR NGB 2 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL HOT NOSE GRBX 2 INDICATOR LIGHTS AND HOD DISPLAYS A 121° C TO 139° C OIL TEMPERATURE READING FOR NGB 2 (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL LOW PRI HYD INDICATOR IS LIGHTED (EXTERNAL PRIMARY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
OIL LOW UTIL HYD INDICATOR IS LIGHTED (EXTERNAL UTILITY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
OIL PSI ACC PUMP INDICATOR IS LIGHTED (APU OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL PSI ACC PUMP INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL PSI ENG 1 INDICATOR IS LIGHTED (ENGINE 1 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
OIL PSI ENG 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
OIL PSI ENG 2 INDICATOR IS LIGHTED (ENGINE 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
OIL PSI ENG 2 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
OIL PSI MAIN XMSN 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL PSI MAIN XMSN 1 INDICATOR LIGHTS AND HOD DISPLAYS A 29 LB TO 49 LB READING FOR XMSN 1 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL PSI MAIN XMSN 1 INDICATOR LIGHTS AND HOD DISPLAYS A 50 LB TO 85 LB READING FOR XMSN 1 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL PSI MAIN XMSN 2 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL PSI MAIN XMSN 2 INDICATOR LIGHTS AND HOD DISPLAYS A 29 LB TO 49 LB READING FOR XMSN 2 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL PSI MAIN XMSN 2 INDICATOR LIGHTS AND HOD DISPLAYS A 50 LB TO 85 LB READING FOR XMSN 2 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL PSI NOSE GRBX 1 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL PSI NOSE GRBX 1 INDICATOR LIGHTS AND HOD DISPLAYS A 29 LB TO 54 LB READING FOR NGB 1 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL PSI NOSE GRBX 1 INDICATOR LIGHTS AND HOD DISPLAYS A 55 LB TO 65 LB READING FOR NGB 1 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
OIL PSI NOSE GRBX 2 INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
OIL PSI NOSE GRBX 2 INDICATOR LIGHTS AND HOD DISPLAYS A 29 LB TO 54 LB OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OIL PSI NOSE GRBX 2 INDICATOR LIGHTS AND HOD DISPLAYS A 55 LB TO 65 LB OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
OMNI DIR AIRSPEED SENSOR NO-GO MAIN ROTOR MAST APPEARS ON HOD	TM 9-1230-476-20-2	AIR DATA SYSTEM
OMNIDIRECTIONAL AIRSPEED SENSOR HEATERS DO NOT HEAT (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON FOR 6 SECONDS THEN SET TO OFF) (CPG AUX/ANTI-ICE PANEL: ADSS SWITCH SET TO OFF)	TM 9-1230-476-20-2	AIR DATA SYSTEM
ONE OR MORE CPG GLARESHIELD SECONDARY LIGHTS DO NOT LIGHT IN BOTH SWITCH POSITIONS (CPG INTR LT PANEL: FLOOD CONTROL ROTATED TO DIM AND THEN TO BRT)	TM 1-1520-238-T-6	CPG UTILITY AND SECONDARY LIGHTS
ONE OR MORE LIGHTS ARE NOT LIGHTED IN BOTH POSITIONS (PILOT EXT LT/INTR LT PANEL: FLOOD CONTROL ROTATED TO DIM THEN TO BRT)	TM 1-1520-238-T-6	PILOT UTILITY AND SECONDARY LIGHTS
ONE STROBE DOES NOT APPEAR AT 12 O'CLOCK AND ONE STROBE AT 6 O'CLOCK WITHIN 4 SECONDS (RADAR WARNING CONTROL UNIT: DSCRM SWITCH SET TO ON AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
ONLY ONE PYLON DOES NOT MOVE (PYLON ACTG SWITCH ACTIONS PYLONS UP THEN DOWN)	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
OPTICAL RELAY TUBE EDGE-LIGHTS DO NOT LIGHT (CPG INTR LT PANEL: L CSL AND R CSL CONTROL SET AT DESIRED LEVEL)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PARKING BRAKE HANDLE DOES NOT RETRACT TO RELEASE BRAKES (PARKING BRAKE HANDLE PULLED)	TM 1-1520-238-T-4	MAIN LANDING GEAR
PARKING BRAKE HANDLE RETRACTS (PARKING BRAKE SET)	TM 1-1520-238-T-4	MAIN LANDING GEAR
PAS MANIFOLD LOSES PRESSURE (ENGINE 1 OPERATING) (PILOT CENTER CIRCUIT BREAKER PANEL: FUEL BST CIRCUIT BREAKER OPENED)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
PAS OVERBOARD VENT DISCHARGING PULSING AIR (APU OPERATING)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
PEDAL BINDS OR CHATTERING OCCURS WHEN PEDAL IS MOVED FORWARD OR AFT (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO OFF AND DIRECTIONAL PEDALS MOVED FULL FORWARD)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
PEDAL DOES NOT REMAIN IN HALF FORWARD POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO FORCE TRIM RELEASE)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
PEDAL DOES NOT RETURN TO CENTER NEUTRAL POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO ON)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
PEDAL DOES NOT TRAVEL FULL FORWARD TO ITS STOP (PILOT CYCLIC STICK: FORCE TRIM SWITCH SET TO OFF)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
PERIODIC TONE IS NOT CLEARED (SILENCED) (PILOT STATION: PUSH TO TALK RADIO SWITCH ACTIONED)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PERIODIC TONE IS NOT CLEARED (SILENCED) (PILOT STATION: ANY RADIO PUSH TO TALK SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	TSEC/KY-58 COMMUNICATIONS SECURITY EQUIPMENT
PILOT ACCELEROMETER INDICATOR DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT ACCELEROMETER INDICATOR, VSI, BAROMETRIC ALTIMETER, MAGNETIC COMPASS, AIRSPEED INDICATOR AND SAI EDGE-LIGHTS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT AIRSPEED INDICATOR DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT AMBER FUEL XFR INDICATOR IS NOT LIGHTED WITH TRANS SWITCH SET TO AFT AND AFT TANK FULL	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AMBER FUEL XFR INDICATOR IS NOT LIGHTED WITH ENGINE 1 CROSSFEED VALVE CLOSED AND ENGINE 2 CROSSFEED VALVE AT AFT (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AMBER FUEL XFR INDICATOR ARE LIGHTED WITH PILOT TRANS SWITCH SET TO OFF	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AMBER FUEL XFR INDICATORS ARE LIGHTED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT AFT (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AMBER XFEED INDICATOR IS NOT LIGHTED WITH ENGINE 1 CROSSFEED VALVE CLOSED AND ENGINE 2 CROSSFEED VALVE AT AFT (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AND CPG AMBER XFEED INDICATORS ARE LIGHTED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT NORMAL (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AND CPG AMBER XFEED INDICATORS ARE LIGHTED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AFT (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT AND CPG ENG-RTR RPM% INDICATORS DO NOT INDICATE ENGINE 1 N _P (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT AND CPG ENG-RTR RPM% INDICATORS DO NOT INDICATE N _R (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT AND/OR CPG STAB POS INDICATORS DO NOT INDICATE FULL UP POSITION (9 ±2°), FULL DOWN (35 ±2°), OR OFF FLAG APPEARS	TM 1-1520-238-T-7	STABILATOR
PILOT AND CPG TORQUE INDICATORS DO NOT INDICATE ENGINE 1 TORQUE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT AND CPG GREEN FUEL XFR INDICATORS ARE LIGHTED WITH PILOT FUEL TRANS SWITCH SET TO OFF (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AND CPG GREEN XFEED INDICATORS ARE LIGHTED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT NORMAL (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AND CPG GREEN XFEED INDICATORS ARE NOT LIGHTED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT AFT (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AND CPG GREEN FUEL XFR INDICATORS ARE NOT LIGHTED WITH ENGINE 1 AND ENGINE 2 CROSSFEED VALVES AT FORWARD (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT AND CPG TORQUE INDICATORS DO NOT INDICATE ENGINE 2 TORQUE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT APU FIRE PULL HANDLE DOES NOT STAY IN PULLED POSITION (PILOT APU FIRE TEST PANEL: APU FIRE PULL HANDLE PULLED)	TM 1-1520-238-T-8	FIRE EXTINGUISHERS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT ARM INDICATOR DOES NOT LIGHT (PILOT FCP: MASTER ARM SWITCH SET TO ARM) (SQUAT SWITCH FIXTURE INSTALLED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PILOT ARM/SAFE INDICATOR IS NOT LIGHTED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
PILOT ASE PANEL EDGE-LIGHT IS NOT LIGHTED	TM 1-1520-238-T-7	DASE
PILOT BAROMETRIC ALTIMETER EDGE- LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT BAROMETRIC ALTIMETER PRESSURE READING IS NOT WITHIN ± 70 FEET OF AMBIENT PRESSURE	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT BRU TARGET IS NOT LIT (PILOT FCP: IHADSS BRSIT SWITCH SET TO BRSIT) (PILOT EXT LT/INTR LT PANEL: INST CONTROL ADJUSTED)	TM 9-1270-221-23	IHADSS
PILOT BUCS FAIL INDICATOR IS LIGHTED (CPG COLLECTIVE STICK: BUCS SELECT TRIGGER SWITCH RELEASED)	TM 1-1520-238-T-7	DASE
PILOT BUCS FAIL INDICATOR IS NOT LIGHTED (CPG COLLECTIVE STICK: BUCS SELECT TRIGGER SWITCH PULLED)	TM 1-1520-238-T-7	DASE
PILOT BUCS ON INDICATOR IS NOT LIGHTED (PILOT ASE PANEL: BUCS TST SWITCH SET TO PLT)	TM 1-1520-238-T-7	DASE
PILOT BUCS ON INDICATOR REMAINS LIGHTED MORE THAN 20 SECONDS (PILOT ASE PANEL: BUCS TST SWITCH SET TO PLT)	TM 1-1520-238-T-7	DASE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT CLOCK DOES NOT RESET SWEEP HAND AND ELAPSED TIME HAND (KNOB PUSHED ONE TIME)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
PILOT CLOCK DOES NOT RUN AFTER WINDING	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
PILOT CLOCK EDGE-LIGHTING DOES LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
PILOT CLOCK HANDS DO NOT START MOVING (KNOB PUSHED TWO TIMES)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
PILOT CLOCK HANDS DO NOT START MOVING (KNOB PUSHED THREE TIMES)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
PILOT CLOCK HOUR AND MINUTE HANDS WILL NOT MOVE (KNOB PULLED AND TURNED)	TM 1-1520-238-T-5	MISCELLANEOUS INSTRUMENTS
PILOT COLL 1 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT COLL 2 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT COLL LVDT DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT COMM VHF FM CIRCUIT BREAKER - DOES NOT STAY CLOSED (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
PILOT COMM VHF FM CIRCUIT BREAKER - DOES NOT STAY CLOSED (ADI)	TM 11-1520-238-23-2	VHF AM-FM AN/ARC-186 AND VHF/FM AN/ARC-201A RADIO SETS (ADI)
PILOT CSC PANEL EDGE LIGHT DOES NOT LIGHT (ACV) (PILOT EXT LT/INTR LT PANEL: R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
PILOT CYCLIC GRIP NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT DAP OR HDU NO-GO PILOT COMPARTMENT APPEARS ON HOD	TM 9-1270-221-23	IHADSS
PILOT DAP OR HDU NO-GO PILOT COMPARTMENT, CPG DAP OR HDU NO-GO CPG COMPARTMENT AND DEU NO-GO RH FAB APPEARS ON HOD	TM 9-1270-221-23	IHADSS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT DIM/TEST PANEL EDGE-LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT DIM/TEST PANEL, FUEL QUANTITY AND ENG OIL INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT DIR 1 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT DIR 2 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT DIR LVDT NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT DISPENSER CONTROL PANEL EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 9-1090-208-23-2	DISPENSER SYSTEM - M92 TEST SET
PILOT EDGE-LIGHTS ARE NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: L CSL, R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
PILOT ELEC PWR PANEL EDGE-LIGHTING DOES NOT COME ON (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
PILOT ENG 1 FIRE PULL HANDLE DOES NOT LIGHT (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST SWITCH PRESSED)	TM 1-1520-238-T-8	ENGINE 1 FIRE DETECTION
PILOT ENG 1 FIRE PULL HANDLE DOES NOT STAY IN PULLED POSITION	TM 1-1520-238-T-8	FIRE EXTINGUISHERS
PILOT ENG 2 FIRE PULL HANDLE DOES NOT LIGHT (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST SWITCH PRESSED)	TM 1-1520-238-T-8	ENGINE 2 FIRE DETECTION

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT ENG 2 FIRE PULL HANDLE DOES NOT STAY IN PULLED POSITION	TM 1-1520-238-T-8	FIRE EXTINGUISHERS
PILOT ENGINE CHOP INDICATOR DOES NOT GO OUT (PILOT COLLECTIVE STICK: CHOP COLLAR TURNED CLOCKWISE)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
PILOT ENGINE CHOP INDICATOR DOES NOT LIGHT (PILOT COLLECTIVE STICK: CHOP COLLAR TURNED FULL CLOCKWISE)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
PILOT ENGINE CHOP INDICATOR DOES NOT LIGHT (PILOT COLLECTIVE STICK: CHOP COLLAR TURNED FULL CLOCKWISE)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
PILOT ENGINE INSTRUMENTS SINGLE VERTICAL DISPLAY LAMPS DO NOT LIGHT FOR 3 SECONDS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET AND HELD TO TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL INDICATOR DOES NOT INDICATE ENGINE 1 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL INDICATOR DOES NOT INDICATE ENGINE 2 OIL PRESSURE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL INDICATOR DOES NOT INDICATE FULL SCALE (PILOT DIM/ TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL INDICATOR DOES NOT INDICATE POSITIVE OIL PRESSURE WITHIN 30 SECONDS OF N _G INCREASE (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
PILOT ENG OIL INDICATOR EDGE- LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT ENG OIL INDICATOR VERTICAL DISPLAY SCALES DO NOT INDICATE 0 PRESSURE (PILOT DIM/TEST PANEL: DIM CONTROL ROTATED TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL INDICATOR VERTICAL DISPLAY SCALES HAVE EVERY OTHER LAMP NOT LIGHTED (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL, TGT, TORQUE, FUEL QUANTITY, ENG-RTR RPM% AND N _G RPM% VERTICAL SCALE INDICATORS DO NOT DIM (PILOT DIM/TEST PANEL: PHOTOCCELL COVERED)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL, TGT, TORQUE, FUEL QUANTITY, ENG-RTR RPM% AND N _G RPM% VERTICAL SCALE INDICATORS DO NOT BRIGHTEN (PILOT DIM/TEST PANEL: LIGHT SHINING ON PHOTOCCELL)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL, TGT, TORQUE, FUEL QUANTITY, ENG-RTR RPM%, AND N _G RPM% VERTICAL SCALE INDICATORS DO NOT DIM (PILOT DIM/TEST PANEL: MANUAL DIM CONTROL FULLY ROTATED COUNTERCLOCKWISE)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG OIL, TGT, TORQUE, FUEL QUANTITY, ENG-RTR RPM%, AND N _G RPM% VERTICAL SCALE INDICATORS DO NOT BRIGHTEN (PILOT DIM/TEST PANEL: MANUAL DIM CONTROL FULLY ROTATED CLOCKWISE)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG-RTR RPM% INDICATOR DOES NOT INDICATE ENGINE 1 N _P (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG-RTR RPM% INDICATOR DOES NOT INDICATE ENGINE 2 N _P (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT ENG-RTR RPM% INDICATOR DOES NOT INDICATE FULL SCALE (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG-RTR RPM% INDICATOR DOES NOT INDICATE N_R (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG-RTR RPM% INDICATOR EDGE-LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG-RTR RPM% INDICATOR VERTICAL SCALE INDICATORS DO NOT INDICATE 0% (PILOT DIM/TEST PANEL: DIM CONTROL ROTATED TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG-RTR RPM% INDICATOR VERTICAL SCALE INDICATORS HAVE EVERY OTHER LAMP NOT LIGHTED (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT ENG-RTR RPM% N_{P1} , N_{P2} AND N_R INDICATORS DO NOT SHOW 100% (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	TORQUE SHARING SYSTEM
PILOT EXT LT/INTR LT EDGE-LIGHT PANEL IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT EDGE-LIGHTS
PILOT FCP EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL AND R/CTR CSL CONTROLS ADJUSTED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PILOT FIRE EXTINGUISHER PANEL EDGE-LIGHT DOES NOT BRIGHTEN (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-8	ENGINE 1 FIRE DETECTION

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT FLIR VIDEO AND SYMBOLS DO NOT APPEAR ON HOD (CPG FIRE CONTROL PANEL: SIGHT SEL SWITCH SET TO TADS)	TM 11-1520-238-23-2	SYMBOL GENERATOR
PILOT FUEL LOW AFT INDICATOR IS NOT LIGHTED	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL LOW AFT INDICATOR IS NOT LIGHTED WITH PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY INDICATING 22 TO 26 LBS (CPG FUEL PANEL: TRANS SWITCH SET TO FWD)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL LOW FWD INDICATOR IS LIGHTED	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL LOW FWD INDICATOR IS NOT LIGHTED WITH PILOT FUEL QUANTITY INDICATOR FWD VERTICAL DISPLAY INDICATING 20 TO 16 LBS (PILOT FUEL PANEL: TRANS SWITCH SET TO AFT)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL PANEL EDGE-LIGHTS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-7	FUEL CROSSFEED/ BOOST SYSTEM
PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY DOES NOT INDICATE 19 TO 21 LBS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO TST) (CPG SELECTABLE DIGITAL DISPLAY: TEST PUSHBUTTON PUSHED)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY DOES NOT INDICATE 29 TO 31 LBS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO TST) (CPG SELECTABLE DIGITAL DISPLAY: TEST PUSHBUTTON PUSHED)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY DOES NOT SHOW DECREASE (CPG FUEL PANEL: TRANS SWITCH SET TO FWD)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY DOES NOT INDICATE DECREASE WITH ORIDE SWITCH SET TO PLT AND PLT TRANS SWITCH SET TO AFT	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL QUANTITY INDICATOR FWD VERTICAL DISPLAY DOES NOT INDICATE INCREASE WITH ORIDE SWITCH SET TO CPG AND CPG TRANS SWITCH AT TO FWD	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL QUANTITY INDICATOR AFT VERTICAL DISPLAY DOES NOT SHOW INCREASE (PILOT FUEL PANEL: TRANS SWITCH SET TO AFT)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL QUANTITY INDICATOR DOES NOT INDICATE FULL SCALE OR SHOW ALL DIGITAL 888 (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT FUEL QUANTITY INDICATOR DOES NOT SHOW DIGITAL READOUTS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT FUEL QUANTITY INDICATOR DIGITAL READOUTS ARE NOT BLANKED (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO DGT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT FUEL QUANTITY INDICATOR EDGE-LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT FUEL QUANTITY INDICATOR FWD VERTICAL DISPLAY DOES NOT SHOW DECREASE (PILOT FUEL PANEL: TRANS SWITCH SET TO AFT)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT FUEL QUANTITY INDICATOR FWD VERTICAL DISPLAY DOES NOT SHOW INCREASE (CPG FUEL PANEL: TRANS SWITCH SET TO FWD)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL QUANTITY INDICATOR FWD VERTICAL DISPLAY DOES NOT SHOW INCREASE (CPG FUEL PANEL: TRANS SWITCH SET TO FWD AND ORIDE SWITCH SET TO CPG)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL QUANTITY INDICATOR VERTICAL SCALE INDICATORS OR DIGITAL READOUT DO NOT INDICATE EXISTING FUEL ± 20 LBS (PILOT DIM/ TEST PANEL: DIM CONTROL ROTATED TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT FUEL TRANS CIRCUIT BREAKER DOES NOT STAY CLOSED WITH PILOT TRANS SWITCH SET TO FWD	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT FUEL XFER ADVISORY LIGHT IS NOT LIGHTED (ADA)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT GLARESHIELD SECONDARY LIGHTS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: FLOOD CONTROL ROTATED TO DIM THEN TO BRT)	TM 1-1520-238-T-6	PILOT UTILITY AND SECONDARY LIGHTS
PILOT GREEN FUEL XFR INDICATOR IS NOT LIGHTED WITH PILOT TRANS SWITCH SET AT TO AFT (ADB)	TM 1-1520-238-T-7	FUEL QUANTITY INDICATION/ TRANSFER
PILOT GUN INDICATOR LIGHTS OR GUN FAIL REMAINS ON VDU (PILOT CYCLIC STICK: TRIGGER PULLED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
PILOT GUN INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: GUN SWITCH SET TO FXD)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PILOT HDU IS BLANK (PILOT FC PANEL: VID SEL SWITCH SET TO GRAY SC AND VID BRT CONTROL ADJUSTED)	TM 9-1270-221-23	IHADSS
PILOT HELMET ELECTRONICS NO-GO APPEARS ON HOD	TM 9-1270-221-23	IHADSS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT HIGH RPM ROTOR INDICATOR DOES NOT LIGHT AT 104% N_R (ACV) (IN FLIGHT AUTOROTATION)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
PILOT HIGH RPM ROTOR INDICATOR DOES NOT LIGHT AT 108% N_R (ACW) (IN FLIGHT AUTOROTATION)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
PILOT LAT 1 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT LAT 2 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT LAT LVDT NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT LEFT BRAKE IS NOT FIRM OR WHEEL ASSEMBLY ROTATES (PRESSURE APPLIED)	TM 1-1520-238-T-4	MAIN LANDING GEAR
PILOT LEFT SSU NO-GO PILOT COMPARTMENT APPEARS ON HOD	TM 9-1270-221-23	IHADSS
PILOT LONG 1 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT LONG 2 DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT LONG LVDT DCPLR NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
PILOT LOW RPM ROTOR INDICATOR DOES NOT LIGHT AT 93% OR LESS (ENGINES 1 AND 2 OPERATING) (PILOT ENG-RTR RPM% INDICATOR: N_p BETWEEN 80% TO 85%)	TM 1-1520-238-T-4	DRIVE SYSTEM VIBRATION
PILOT LSR DET CIRCUIT BREAKER – DOES NOT STAY CLOSED (ADP)	TM 11-1520-238-23-2	LASER DETECTING SET AN/AVR-2A(V)1 (ADP)
PILOT MAGNETIC COMPASS LAMP DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT MASTER CAUTION/WARNING INDICATORS ARE LIGHTED (HELICOPTER SAFED AND BATTERY CONNECTED)	TM 1-1520-238-T-6	BATTERY

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT MISSILE INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: MISSILE SWITCH SET TO OFF)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PILOT MISSILE, ROCKET AND GUN INDICATORS ARE NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST SWITCH PRESSED) (SQUAT SWITCH FIXTURE INSTALLED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PILOT ND/NU SWITCH DOES NOT MOVE STAB UP STAB AUTO AC (CB2) AND STAB AUTO DC (CB3) CIRCUIT BREAKER OPEN	TM 1-1520-238-T-7	STABILATOR
PILOT ND/NU SWITCH DOES NOT MOVE STAB DOWN STAB AUTO AC (CB2) AND STAB AUTO DC (CB3) CIRCUIT BREAKER OPEN	TM 1-1520-238-T-7	STABILATOR
PILOT N _G RPM% INDICATOR DIGITAL READOUTS ARE NOT BLANKED OUT (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO DGT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT N _G RPM% INDICATOR DOES NOT INDICATE ENGINE 1 N _G (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT N _G RPM% INDICATOR DOES NOT INDICATE ENGINE 2 N _G (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT N _G RPM% INDICATOR DOES NOT INDICATE FULL SCALE OR SHOW ALL DIGITAL 888 (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT N _G RPM% INDICATOR DOES NOT SHOW DIGITAL READOUT (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT N _G RPM% INDICATOR EDGE- LIGHTING DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT N _G RPM% INDICATOR VERTICAL SCALE INDICATORS HAVE EVERY OTHER LAMP NOT LIGHTED (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT N _G RPM% INDICATOR VERTICAL SCALE INDICATORS OR DIGITAL READOUTS DO NOT INDICATE BETWEEN 0% AND 5% (PILOT DIM/TEST PANEL: DIM CONTROL ROTATED TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT POWER QUADRANT EDGE-LIGHT PANEL DOES NOT LIGHT (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
PILOT PRI MUX INDICATOR IS NOT LIGHTED AND FLASHING (CPG MASTER CAUTION/WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PILOT RADIO CALL PLACARD EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 11-1520-238-23-2	INTER-COMMUNICATION SYSTEM (ICS)
PILOT RDR WARN CIRCUIT BREAKER – DOES NOT STAY CLOSED	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN) AND RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
PILOT RIGHT BRAKE IS NOT FIRM OR WHEEL ASSEMBLY ROTATES (PRESSURE APPLIED)	TM 1-1520-238-T-4	MAIN LANDING GEAR
PILOT RIGHT SSU NO-GO PILOT COMPARTMENT APPEARS ON HOD	TM 9-1270-221-23	IHADSS
PILOT ROCKET INDICATOR FLASHES OR LIGHTS (PILOT CYCLIC STICK: R/G/M/C SWITCH SET TO R ON)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PILOT ROCKET INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: RKT SWITCH SET TO GND STOW)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PILOT SAFE INDICATOR AND CPG ARM INDICATOR DO NOT LIGHT (PILOT FCP: MASTER SWITCH SET TO SAFE)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PILOT SAFE INDICATOR LIGHTS (PILOT FCP: MASTER SWITCH SET TO SAFE) (SQUAT SWITCH FIXTURE INSTALLED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT SAFE INDICATORS DO NOT LIGHT (PILOT FCP: MASTER SWITCH SET TO SAFE) (SQUAT SWITCH FIXTURE INSTALLED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PILOT SAFE OR ARM INDICATOR LIGHTS (CPG FCP: CPG PLT/GND SWITCH SET TO OFF AND CPG SWITCH SET TO ARM) (SQUAT SWITCH FIXTURE REMOVED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PILOT SAFE OR ARM INDICATOR LIGHTS (PILOT FCP: MASTER SWITCH SET TO SAFE THEN ARM)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PILOT SAI EDGE-LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT SAI OFF FLAG NOT VISIBLE (PULL TO CAGE KNOB PULLED AND ROTATED)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT STAB DEG/NOM SPD PLACARD PANEL EDGE-LIGHT DOES NOT LIGHT	TM 1-1520-238-T-7	STABILATOR
PILOT STAB POS INDICATOR DOES NOT INDICATE $25 \pm 2^\circ$ WHEN PILOT COLLECTIVE STICK: RESET PUSHBUTTON PRESSED	TM 1-1520-238-T-7	STABILATOR
PILOT STAB POS INDICATOR EDGE-LIGHT DOES NOT LIGHT	TM 1-1520-238-T-7	STABILATOR
PILOT TADS INDICATOR IS NOT LIGHTED (CPG FIRE CONTROL PANEL: TADS SWITCH SET TO TADS)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PILOT TEMP INT INDICATOR IS LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
PILOT TEMP INT INDICATOR LIGHTS (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
PILOT TEMP TR INDICATOR IS LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT TGT INDICATOR DIGITAL READOUTS ARE NOT BLANKED OUT (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT INDICATOR DOES NOT INDICATE ENGINE 1 TGT (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT INDICATOR DOES NOT INDICATE ENGINE 2 TGT (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT INDICATOR DOES NOT INDICATE FULL SCALE OR SHOW DIGITAL 888 (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT INDICATOR DOES NOT SHOW DIGITAL READOUTS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT INDICATOR EDGE-LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT INDICATOR VERTICAL DISPLAY SCALE INDICATORS HAVE EVERY OTHER LAMP NOT LIGHTED (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT INDICATOR VERTICAL DISPLAY SCALE OR DIGITAL READOUTS DO NOT INDICATE AMBIENT TEMPERATURE ($\pm 5^\circ$) (PILOT DIM/TEST PANEL: DIM CONTROL ROTATED TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TGT, TORQUE, FUEL QUANTITY, AND N _G RPM% INDICATOR DIGITAL READOUTS ARE NOT BLANKED OUT (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TST SWITCH SET TO DGT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT TGT, TORQUE, FUEL QUANTITY AND N _G RPM% INDICATOR DIGITAL READOUTS ARE NOT BLANKED OUT (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TST SWITCH SET TO NORM AND DIM CONTROL ROTATED TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE INDICATOR DOES NOT INDICATE ENGINE 1 TORQUE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE INDICATOR DOES NOT INDICATE ENGINE 2 TORQUE (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE INDICATOR DIGITAL READOUTS ARE NOT BLANKED (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO OFF)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE INDICATOR DOES NOT INDICATE FULL SCALE OR SHOW ALL DIGITAL 888 (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE INDICATOR DOES NOT SHOW DIGITAL READOUTS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE INDICATOR EDGE- LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE INDICATOR VERTICAL DISPLAY SCALE INDICATORS HAVE EVERY OTHER LAMP NOT LIGHTED (PILOT DIM/TEST PANEL: DGT OFF/ NORM/TST SWITCH HELD AT TST)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT TORQUE INDICATOR VERTICAL DISPLAY SCALE INDICATORS OR DIGITAL READOUTS DO NOT INDICATE BETWEEN 0% AND 2% (PILOT DIM/TEST PANEL: DIM CONTROL ROTATED TO MIDPOSITION)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TORQUE, TGT, N _G RPM% AND ENG-RTR RPM% INDICATORS DO NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
PILOT TRANSMIT AUDIO IS NOT PRESENT IN BOTH HEADSETS (PILOT TRANSMITTING) (RADIO REMOTELY SELECTED)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
PILOT UTILITY LIGHT DOES NOT LIGHT (RHEOSTAT ROTATED TO BRT)	TM 1-1520-238-T-6	PILOT UTILITY AND SECONDARY LIGHTS
PILOT VHF DOES NOT TUNE TO PROPER PRESET CHANNEL (PILOT VHF AM-FM: FREQUENCY SELECT SWITCH TO PRE)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
PILOT VHF RADIO TRANSMIT POWER IS REPORTED TO BE WEAK (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
PILOT VHF RECEIVE AUDIO IS NOT PRESENT IN CPG HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
PILOT VHF RECEIVE AUDIO IS NOT PRESENT IN EITHER HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
PILOT VHF RECEIVE AUDIO IS NOT PRESENT IN PILOT HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PILOT VIDEO AND SYMBOLS ARE NOT DISPLAYED (CPG FIRE CONTROL PANEL: SIGHT SEL SWITCH SET TO TADS)	TM 11-1520-238-23-2	SYMBOL GENERATOR
PILOT VIDEO AND SYMBOLS ARE NOT DISPLAYED (VDU: MODE SWITCH SET TO PLT)	TM 11-1520-238-23-2	SYMBOL GENERATOR
PILOT VIDEO APPEARS ON VDU DISPLAY BUT IS DISTORTED OR WRONG (VDU: MODE SWITCH SET TO PLT)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
PILOT VIDEO DOES NOT APPEAR ON VDU DISPLAY (VDU: MODE SWITCH SET TO PLT)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
PILOT VIDEO IS NOT PLAYED BACK (CPG VIDEO RECORDER: PLAY SWITCH SET TO FWD AND MODE SWITCH SET TO PLAY)	TM 11-1520-238-23-2	VIDEO RECORDER
PILOT VSI DOES NOT ADJUST 0 FPM	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT VSI EDGE-LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	FLIGHT INSTRUMENTS
PILOT WINDSHIELD WIPER DOES NOT OPERATE AT HIGH SPEED (PILOT ANTI ICE PANEL: WSHLD WIPER SWITCH SET TO HIGH)	TM 1-1520-238-T-8	WINDSHIELD WIPERS
PILOT WINDSHIELD WIPER DOES NOT OPERATE AT LOW SPEED (PILOT ANTI ICE PANEL: WSHLD WIPER SWITCH SET TO LOW)	TM 1-1520-238-T-8	WINDSHIELD WIPERS
PITCH, ROLL, YAW AND ATTD/HOVER HOLD SWITCHES REMAIN ON (CPG CYCLIC STICK: ASE RELEASE SWITCH PRESSED)	TM 1-1520-238-T-7	DASE
PITCH, ROLL, YAW AND ATTD/HOVER HOLD SWITCHES REMAIN ON (PILOT CYCLIC STICK: ASE RELEASE SWITCH PRESSED)	TM 1-1520-238-T-7	DASE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PITCH SWITCH DOES NOT STAY ON AND ASE INDICATOR IS LIGHTED (PILOT ASE PANEL: PITCH SWITCH SET TO PITCH)	TM 1-1520-238-T-7	DASE
PITOT HTR CIRCUIT BREAKER (CB36) DOES NOT STAY CLOSED (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	PITOT ANTI-ICE
PITOT HTR CIRCUIT BREAKER (CB36) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
PITOT TUBE (LT WING) HEATER DOES NOT HEAT (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	PITOT ANTI-ICE
PITOT TUBE (RT WING) HEATER DOES NOT HEAT (PILOT ANTI ICE PANEL: PITOT ICE DET AD SNSR SWITCH SET TO ON)	TM 1-1520-238-T-8	PITOT ANTI-ICE
PLAIN INDICATOR (RED) DOES NOT LIGHT (CIPHONY PANEL: MODE SWITCH SET TO PLAIN)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
PLAIN INDICATOR (RED) REMAINS LIGHTED (CIPHONY PANEL: MODE SWITCH SET TO CIPHER)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
PMSL MESSAGE DOES NOT APPEAR ON HOD (PILOT CYCLIC STICK: R/G/M/C SWITCH SET TO M)	TM 9-1427-475-20	HME SYSTEM
PNVS (FLIR) DIRECT VIDEO DOES NOT APPEAR ON HOD	TM 9-1270-221-23	IHADSS
PNVS SHROUD WINDOW HEATER DOES NOT COOL (PILOT FIRE CONTROL PANEL: PNVS SWITCH SET TO OFF AND PILOT ANTI ICE PANEL: TADS/PNVS SWITCH SET TO OFF)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PNVS SHROUD WINDOW HEATER DOES NOT HEAT (PILOT FIRE CONTROL PANEL: PNVS SWITCH SET TO ON AND PILOT ANTI ICE PANEL: TADS/PNVS SWITCH SET TO GROUND)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
PNVS SHROUD WINDOW HEATER DOES NOT HEAT (PILOT FIRE CONTROL PANEL: PNVS SWITCH SET TO ON AND PILOT ANTI ICE PANEL: TADS/PNVS SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
POWER BATT CHGR AC CIRCUIT BREAKER (CB86) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – PILOT STATION)
POWER BATT CHGR AC CIRCUIT BREAKER DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 11-1520-238-23-2	BATTERY CHARGER
POWER BATT CHGR DC CIRCUIT BREAKER (CB5) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – PILOT STATION)
POWER BATT CHGR DC CIRCUIT BREAKER DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 11-1520-238-23-2	BATTERY CHARGER
POWER ENG 1 CIRCUIT BREAKER (CB62) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
POWER ENG 2 CIRCUIT BREAKER (CB44) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – PILOT STATION)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
POWER ON INDICATOR (AMBER) DOES NOT LIGHT (CIPHONY PANEL: POWER SWITCH SET TO ON)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
POWER UP DISPLAY, NAV TOP LEVEL POWER OFF PAGE IS NOT DISPLAYED (AN/ASN-137) (ADC)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADC)
POWER XFMR RECT 1 CIRCUIT BREAKER (CB1) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO BATT)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION
POWER XFMR RECT 2 CIRCUIT BREAKER (CB4) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO BATT)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION
PPOS DATA DOES NOT CHANGE TO LINE 1 PPOS 12S WN 0000 0000, LINE 2 VAR E010.0 SPH CL6 (CDU: PPOS, VAR AND SPH DATA ENTERED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
PPOS DOES NOT CHANGE TO UPDT (CDU DOPPLER NAV: VAB NEXT TO DISPLAYED WORD PPOS PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
PPOS EASTING DATA (RIGHT MOST 4 DIGITS OF DISPLAY LINE 1) DO NOT START INCREASING (CDU: NUMBER 150 ENTERED ON SCRATCH PAD AND VAB NEXT TO DISPLAYED WORD KPH PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
PRESS TO TEST INDICATOR IS NOT LIGHTED (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PRESS TO TEST INDICATOR IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT) (CPG MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PRESSURE FUEL MANIFOLD COVER (R180) DOES NOT STAY ON MANIFOLD (REFUELING COMPLETED)	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
PRESSURE FUEL MANIFOLD LEAKS (DURING REFUELING)	TM 1-1520-238-T-7	PRESSURE REFUELING/DEFUELING
PRF AUDIO DOES NOT DOUBLE (RADAR WARNING CONTROL UNIT: DSCRM SWITCH SET TO ON AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
PRF AUDIO IS NOT HEARD IMMEDIATELY IN EITHER HEADSET (RADAR WARNING CONTROL UNIT: DSCRM SWITCH SET TO ON AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
PRF AUDIO IS NOT PRESENT WITHIN 4 SECONDS (RADAR WARNING CONTROL UNIT: DSCRM SWITCH SET TO ON AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
PRI DISCH INDICATOR IS NOT LIGHTED (PILOT APU FIRE TEST PANEL: FIRE TEST DET SELECTOR SET TO 1)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
PRI DISCH INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
PRI HYD INDICATOR DOES NOT INDICATE 3000 PSI (APU OPERATING)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
PRI HYD INDICATOR DOES NOT INDICATE 3000 PSI (EXTERNAL PRIMARY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
PRI HYD INDICATOR IS LIGHTED (CPG CIRCUIT BREAKER PANEL 1: EMERG BATT CAUT CIRCUIT BREAKER CLOSED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PRI HYD PSI INDICATOR IS LIGHTED (EXTERNAL PRIMARY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
PRI HYD PSI INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
PRI HYD PSI, UTIL HYD PSI AND SHAFT DRIVEN COMP INDICATORS ARE NOT LIGHTED (APU OPERATING) (PILOT APU FIRE TEST PANEL: 95%/NORM SWITCH SET TO 95%)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
PRI HYD PSI, UTIL HYD PSI AND SHAFT DRIVEN COMP INDICATORS ARE NOT LIGHTED (APU OPERATING) (PILOT APU FIRE TEST PANEL: 95%/NORM SWITCH SET TO NORM)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
PRI LT CIRCUIT BREAKER (CB14) DOES NOT STAY CLOSED (EXTERNAL ELECTRICAL POWER APPLIED)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 2 – CPG STATION)
PRI LT CIRCUIT BREAKER (CB14) DOES NOT STAY CLOSED (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED FROM OFF TO BRT)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
PRI MUX INDICATOR IS NOT LIGHTED (CPG CIRCUIT BREAKER PANEL NO 1: FC FCC DC CIRCUIT BREAKER OPENED) (CPG FIRE CONTROL PANEL: MUX SWITCH SET TO SEC)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PRI MUX INDICATOR IS NOT LIGHTED AND FLASHING (CPG CIRCUIT BREAKER PANEL 1: FC FCC DC CIRCUIT BREAKER OPENED) (CPG FIRE CONTROL PANEL: MUX SWITCH SET TO SEC)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PRI MUX INDICATOR FLASHING (CPG MASTER CAUTION/WARNING PANEL: MASTER CAUTION INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
PWR ON INDICATOR AND PRI MUX INDICATOR ON CPG CAUTION/WARNING PANEL LIGHT (CPG FCP: MUX SWITCH SET TO PRI AND FCC/MUX SWITCH SET TO ON)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PWR ON LIGHT ON FCC DOES NOT LIGHT (CPG FCP: MUX PRI AND FCC/MUX SWITCHES SET TO ON)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
PYLN ACTUATOR CONTROLLER NO-GO'S LT INBD AND LT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLN ACTUATOR CONTROLLER NO-GO'S LT INBD APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLN ACTUATOR CONTROLLER NO-GO'S LT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLN ACTUATOR CONTROLLER NO-GO'S RT INBD APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLN ACTUATOR CONTROLLER NO-GO'S RT INBD AND RT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLN ACTUATOR CONTROLLER NO-GO'S RT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLON ACTUATORS AND ROCKET STEERING CURSOR DO NOT TRACK IN MANUAL CONTROL (ORT: MAN TRK ACTIONED)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLON ACTUATORS DO NOT FOLLOW TADS TURRET (ORT: SLAVE BUTTON PRESSED AND MAN TRK ACTIONED)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLON ACTUATORS DO NOT GO TO FLIGHT STOW (CPG FCP: RKT SWITCH SET TO NORM)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PYLON ACTUATORS DO NOT MOVE (PYLN ACTG SWITCH ACTIONED)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLON FIRING CONTACT PIN LENGTH IS NOT BETWEEN 0.025 AND 0.065 INCH ON FACE OF TEST SET (PYLON EXTERNAL STORES EJECTOR TEST SET INSTALLED)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
PYLONS DO NOT GO TO FIRING POSITION (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO R ON)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FIRING POSITION (ORT: RKT/GUN/MSL SWITCH SET TO RKT)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FIRING POSITION (PILOT CYCLIC STICK: R/G/M/C SWITCH SET TO R ON)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FLIGHT STOW (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO R OFF)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FLIGHT STOW (CPG FCP: CPG SWITCH SET TO OFF AND RKT SWITCH SET TO OFF)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FLIGHT STOW (PILOT AND CPG FC PANELS: RKT SWITCH SET TO OFF) (SQUAT SWITCH FIXTURE INSTALLED)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FLIGHT STOW (PILOT CYCLIC STICK: R/G/M/C SWITCH SET TO R OFF)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FLIGHT STOW (PILOT FC PANEL: RKT SWITCH SET TO NORM)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO FLIGHT STOW (PILOT FCP: MASTER ARM SWITCH SET TO ARM AND RKT SWITCH SET TO OFF)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
PYLONS DO NOT GO TO GROUND STOW (CPG FCP: CPG SWITCH SET TO ARM AND RKT SWITCH SET TO GND STOW)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO GROUND STOW (PILOT FCP: RKT SWITCH SET TO GND STOW)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
PYLONS DO NOT GO TO GROUND STOW (ORT LH GRIP: RKT/GUN/MSL SWITCH SET TO OFF AND CPG FC PANEL: RKT SWITCH SET TO OFF)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT GO TO GROUND STOW (SQUAT SWITCH FIXTURE REMOVED)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT REMAIN IN GROUND STOW (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO R)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT REMAIN IN GROUND STOW (ORT: RKT/GUN/MSL SWITCH SET TO RKT)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT REMAIN IN GROUND STOW (PILOT CYCLIC STICK: R/G/M/C SWITCH SET TO R)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
PYLONS DO NOT RETURN TO GROUND STOW (CPG FCP: RKT SWITCH SET TO GND STOW)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
QTY REM AND ZONE SEL INDICATORS DO NOT LIGHT (MASTER CAUTION/ WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
QTY REM AND ZONE SEL INDICATORS ARE NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
RADAR JAMMER RECEIVER/TRANSMITTER COOLING FAN IS NOT HEARD (RDRCM CONTROL UNIT: OFF/STBY/OPR SWITCH SET TO OPR)	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RADAR WARNING CONTROL PANEL EDGE-LIGHT IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: R/CTR CSL SWITCH ROTATED TO BRT)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN)
RADAR WARNING CONTROL PANEL EDGE-LIGHT - IS NOT LIGHTED	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN) AND RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING CONTROL PANEL - NO SELF-TEST AUDIO AND NO DISPLAY WHEN TEST BUTTON IS PRESSED (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING CONTROL PANEL - SYNTHETIC VOICE MESSAGE DISTORTED OR GARBLED (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING CONTROL PANEL - NO SYNTHETIC VOICE MESSAGE DURING SELF-TEST OR NORMAL OPERATION, DISPLAY IS LIGHTED (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING CONTROL PANEL - SYNTHETIC VOICE MODE INOPERATIVE (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY (DSCRM ON MODE) - SHOWS ABNORMAL INDICATION (ADN)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN)
RADAR WARNING DISPLAY (DSCRM ON MODE) - SHOWS NO INDICATION (ADN)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN)
RADAR WARNING DISPLAY IS NOT BLANKED DURING IFF TRANSMISSION (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RADAR WARNING DISPLAY IS NOT BLANKED DURING IFF TRANSMISSION (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 1, 2, AND 3/A TESTS PERFORMED)	TM 11-1520-238-23-2	IFF SYSTEM
RADAR WARNING DISPLAY – FALSE WARNING SIGNALS DURING IFF INTERROGATION (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY – FLASHING BOX AROUND CENTER OF DISPLAY (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY – KNOWN EMITTERS DISPLAYED AT INCORRECT BEARINGS (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY – NOT LIGHTED, SYNTHETIC VOICE PRESENT (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY, ONE STROBE DOES NOT APPEAR AT 12 O'CLOCK AND ONE STROBE AT 6 O'CLOCK WITHIN 4 SECONDS (RADAR WARNING CONTROL UNIT: DSCRM SWITCH SET TO ON AND SELF TEST SWITCH ACTIONED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
RADAR WARNING DISPLAY SHOWS MORE THAN FORWARD AND AFT STROBES OR PARTIAL STROBES (RADAR WARNING CONTROL PANEL: DSCRM SWITCH SET TO ON AND SELF TEST KEY PRESSED)(ADN)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN)
RADAR WARNING DISPLAY SHOWS NO INDICATION (RADAR WARNING CONTROL PANEL: DSCRM SWITCH SET TO ON AND SELF TEST KEY PRESSED)(ADN)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN)
RADAR WARNING DISPLAY – TWO TRIANGLES AT EITHER TOP OR BOTTOM OF DISPLAY WITH SYMBOL FLASHING IN MORE THAN ONE QUADRANT (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RADAR WARNING DISPLAY – TWO TRIANGLES AT EITHER TOP OR BOTTOM OF DISPLAY WITH SYMBOL FLASHING IN ONE QUADRANT (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY – NO SYMBOL DISPLAYED WHEN RADIATED BY RADAR SIGNAL SIMULATOR (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY – SOLID 4 INSIDE FLASHING BOX IN THE CENTER OF THE DISPLAY DOES NOT APPEAR WHEN RADIATED BY RADAR SIGNAL SIMULATOR (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING DISPLAY – SYMBOL DISPLAYED IN OPPOSITE QUADRANT WHEN RADIATED BY RADAR SIGNAL SIMULATOR (ADO)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RADAR WARNING TONE IS NOT HEARD IN HEADSET AFTER 6 SECONDS (RADAR WARNING CONTROL PANEL: DSCRM SWITCH SET TO ON AND SELF TEST KEY PRESSED) (ADN)	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN)
RAI AND RMI OFF FLAGS DO NOT COME INTO VIEW OR RETURN TO UNMARKED POSITION (HARS PANEL: ALIGN SWITCH SET TO OFF THEN TO FAST)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RAI DOES NOT DISPLAY CORRECT PITCH (RAI: PITCH TRIM CONTROL ADJUSTED)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
RAI DOES NOT DISPLAY CORRECT ROLL (RAI: PITCH TRIM CONTROL ADJUSTED)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
RAI DOES NOT INDICATE LEFT AND RIGHT ROLLS	TM 11-1520-238-23-2	HARS
RAI DOES NOT INDICATE PITCH UP AND PITCH DOWN	TM 11-1520-238-23-2	HARS
RAI EDGE LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
RAI HEADING OFF WARNING FLAG IS NOT IN VIEW	TM 11-1520-238-23-2	HARS
RANGE DATA IS NOT DISPLAYED ON HOD (DEK: DATA ENTRY SWITCH SET TO RNG)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
RASTER DOES NOT APPEAR ON VDU (VDU: MODE SWITCH SET TO TEST AND BRT CONTROLS ADJUSTED)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
RASTER IS VISIBLE BUT TEST PATTERN DOES NOT APPEAR (VDU: MODE SWITCH SET TO TEST, BRT AND CTRS CONTROLS ADJUSTED)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
RATE GYRO 1 NO-GO LH AFT CATWALK APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR
RATE GYRO 2 NO-GO RH AFT CATWALK APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR
RCVR-XMTR ASSY NO-GO BELLY - MEASSAGE DISPLAYED (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
RDR ALT CIRCUIT BREAKER (CB31) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS - PILOT STATION)
RDR JAM CAUTION INDICATOR IS LIGHTED	TM 11-1520-238-23-2	RADAR JAMMER SYSTEM AN/ALQ-136

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RDR JAM CAUTION INDICATOR IS NOT LIGHTED (PILOT FORWARD CIRCUIT BREAKER PANEL: MISSION RDR JAM DC CIRCUIT BREAKER OPENED)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RDR WARN CIRCUIT BREAKER (CB53) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
RDR WARN CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	RADAR WARNING SYSTEM AN/APR-39(V)1 (ADN) AND RADAR WARNING SYSTEM AN/APR-39A(V)1 (ADO)
RECEIVE AUDIO IS NOT PRESENT IN CPG HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	UHF-AM RADIO SET
RECEIVE AUDIO IS NOT PRESENT IN EITHER HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	UHF-AM RADIO SET
RECEIVE AUDIO IS NOT PRESENT IN PILOT HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	UHF-AM RADIO SET
RECORDED CPG VIDEO IS FUZZY OR GRAINY (VIDEO RECORDER CONTROL PANEL: PLAY SWITCH SET TO FWD AND MODE SWITCH SET TO PLAY)	TM 11-1520-238-23-2	VIDEO RECORDER
RECORDER CANNOT BE CONTROLLED BY CPG CONTROL PANEL (VIDEO RECORDER CONTROL PANEL: PLAY SWITCH SET TO EACH POSITION AND MODE SWITCH SET TO PLAY)	TM 11-1520-238-23-2	VIDEO RECORDER
RECORDER DOES NOT RESUME OPERATION (VIDEO RECORDER CONTROL PANEL: MODE SWITCH SET TO STBY THEN PLAY)	TM 11-1520-238-23-2	VIDEO RECORDER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RECT 1 INDICATOR DOES NOT LIGHT (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION
RECT 1 INDICATOR IS LIGHTED (APU OPERATING) (PILOT ELEC PWR PANEL: GEN 1 SWITCH SET TO OFF/RESET)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
RECT 1 INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: GEN 1 SWITCH SET TO GEN 1)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION
RECT 2 INDICATOR DOES NOT LIGHT (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION
RECT 2 INDICATOR IS LIGHTED (APU OPERATING) (PILOT ELEC PWR PANEL: GEN 1 SWITCH SET TO GEN 1 AND GEN 2 SWITCH SET TO OFF/RESET)	TM 1-1520-238-T-6	AC ELECTRICAL POWER GENERATION
RECT 2 INDICATOR IS LIGHTED (PILOT ELEC PWR PANEL: GEN 2 SWITCH SET TO GEN 2)	TM 1-1520-238-T-6	DC ELECTRICAL POWER GENERATION
RED REJECT INDICATOR ON AN/APM-424 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: ANT SWITCH SET TO BOT AND TEST SET ALIGNED TO TOP ANTENNA) (AN/APM-424 TRANSPONDER TEST SET: SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
RED REJECT INDICATOR ON AN/APM-424 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: ANT SWITCH SET TO TOP AND TEST SET ALIGNED TO BOTTOM ANTENNA) (AN/APM-424 TRANSPONDER TEST SET: SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RED REJECT INDICATOR ON AN/APM-424 TRANSPONDER TEST SET DOES NOT LIGHTS ON MODE 1, 2, OR 3/A (SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
REFUELING PANEL IS LIGHTED (REFUEL VALVE SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
REFUEL VALVE INDICATOR IS LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO CLOSED)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR IS NOT LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO OPEN)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR ON PILOT CAUTION/WARNING PANEL IS LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR ON PILOT CAUTION/WARNING PANEL IS LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR ON PILOT CAUTION/WARNING PANEL IS NOT LIGHTED (REFUEL PANEL: REFUEL VALVE SWITCH SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR ON REFUELING PANEL IS NOT LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO OPEN)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR ON REFUELING PANEL IS NOT LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO OPEN)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR ON REFUELING PANEL IS LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	GRAVITY REFUELING/ DEFUELING
REFUEL VALVE OPEN INDICATOR ON REFUELING PANEL IS LIGHTED (REFUELING PANEL: REFUEL VALVE SWITCH SET TO CLOSE)	TM 1-1520-238-T-7	PRESSURE REFUELING/ DEFUELING

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
REJECT INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: RAD TEST SWITCH SET TO OUT)	TM 11-1520-238-23-2	IFF SYSTEM
REMOTE ATTITUDE INDICATOR (RAI) OFF WARNING FLAG IS IN VIEW (HARS VALID STATUS)	TM 11-1520-238-23-2	HARS
REMOTE HELLFIRE ELECT NO-GO RH FAB APPEARS ON HOD (PRI BUS DETACHED)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
REMOTE TRANSMITTER SELECTOR INDICATOR PANEL - DOES NOT LIGHT	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
REMOTE TRANSMITTER SELECTOR INDICATOR PANEL EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: R/CTR CSL AND INST CONTROLS ROTATED TO BRT)	TM 11-1520-238-23-2	INTER- COMMUNICATION SYSTEM (ICS)
RES DISCH INDICATOR IS NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
RHE - LT BUS NO-GO RH FAB APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
RHE - RT BUS NO-GO RH FAB APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
RHI DIAL POINTER AND DIGITAL READOUT DO NOT INDICATE 1000 FEET (HI SET SWITCH PRESSED AND HELD)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RHI DIAL POINTER DOES NOT INDICATE CORRECT ALTITUDE AND OFF FLAG IS VISIBLE (HI SET INDEX SET TO 800 FEET)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RHI DIAL POINTER DOES NOT MOVE (HI SET SWITCH PRESSED AND HELD)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RHI DIGITAL AND WARNING LIGHTING IS NOT PRESENT (RHI: HI SET SWITCH PRESSED AND HELD)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RHI DIGITAL DISPLAY DOES NOT INDICATE ALTITUDE, LO LAMP IS ON (RHI: HI SET INDEX SET TO 800 FEET)	TM 11-1520-238-23-2	RADAR ALTIMETER SET

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RHI DOES NOT RETURN TO NORMAL INDICATION (RHI: HI SET SWITCH PRESSED AND HELD)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RHI EDGE LIGHT IS NOT LIGHTED (HI SET SWITCH PRESSED AND HELD)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RHI OFF FLAG IS VISIBLE AND DIAL POINTER INDICATES 0 FEET (HI SET INDEX SET TO 800 FEET)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
RIGHT DIRECTIONAL PEDAL DOES NOT REMAIN IN POSITION (PILOT CYCLIC STICK: FORCE TRIM SWITCH PRESSURE REMOVED FROM FORCE TRIM REL POSITION)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RIGHT FAB NORMAL FAN IS NOT OPERATING (PILOT ECS PANEL: STBY FAN SWITCH SET TO NORM)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
RIGHT FAB STANDBY FAN IS NOT OPERATING (CPG AUX/ANTI-ICE PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
RIGHT FAB STANDBY FAN IS NOT OPERATING (PILOT ECS PANEL: STBY FAN SWITCH SET TO STBY FAN)	TM 1-1520-238-T-8	ENVIRONMENTAL CONTROL SYSTEM
RIGHT FORMATION LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: FORM CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	FORMATION LIGHT
RIGHT INBOARD AND RIGHT OUTBOARD PYLON ACTUATORS DO NOT RETURN TO GROUND STOW (PYLON ACTG SWITCH SET TO DOWN)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
RIGHT INBOARD PYLON ACTUATOR DOES NOT GO TO FLIGHT STOW (PYLON ACTG SWITCH SET TO UP)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
RIGHT INBOARD PYLON ACTUATOR DOES NOT RETURN TO GROUND STOW (PYLON ACTG SWITCH SET TO DOWN)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RIGHT INBOARD PYLON DOES NOT MOVE (PYLON ACTG SWITCH SET TO UP THEN DOWN)	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL
RIGHT MAIN WHEEL DOES NOT ROTATE FREELY	TM 1-1520-238-T-4	MAIN LANDING GEAR
RIGHT MAIN WHEEL LOOSE	TM 1-1520-238-T-4	MAIN LANDING GEAR
RIGHT NAVIGATION LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: NAV SWITCH SET TO DIM OR BRT)	TM 1-1520-238-T-6	NAVIGATION LIGHTS
RIGHT OUTBOARD PYLON ACTUATOR DOES NOT GO TO FLIGHT STOW (PYLON ACTG SWITCH SET TO UP)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
RIGHT OUTBOARD PYLON DOES NOT MOVE (PYLON ACTG SWITCH SET TO UP THEN DOWN)	TM 1-1520-238-T-8	EXTERNAL STORES ELEVATION CONTROL
RIGHT OUTBD PYLON ACTUATOR DOES NOT RETURN TO GROUND STOW (PYLON ACTG SWITCH SET TO DOWN)	TM 9-1090-208-23-2	EXTERNAL STORES CONTROL SYSTEM
RIGHT WHITE ANTI-COLLISION LIGHT DOES NOT FLASH (PILOT EXT LT/INTR LT PANEL: ANTI COL SWITCH SET TO WHT)	TM 1-1520-238-T-6	ANTI-COLLISION LIGHTS
RIG PIN CANNOT BE INSTALLED IN COLLECTIVE SERVOCYLINDER BELLCRANK	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RIG PIN CANNOT BE INSTALLED IN CPG COLLECTIVE STICK	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RIG PIN CANNOT BE INSTALLED IN CPG CYCLIC STICK HOUSING	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RIG PIN CANNOT BE INSTALLED IN CPG DIRECTIONAL SPAD	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RIG PIN CANNOT BE INSTALLED IN FS 348 BELLCRANK	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RIG PIN CANNOT BE INSTALLED IN FS 542 BELLCRANK	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RIG PIN CANNOT BE INSTALLED IN LATERAL SERVOCYLINDER BELLCRANK	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RIG PIN CANNOT BE INSTALLED IN LONGITUDINAL SERVOCYLINDER BELLCRANK	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
RMI BEARING POINTER DOES NOT INDICATE CORRECT BEARING (ADF RCVR CONTROL PANEL: ADF LOOP CONTROL ROTATED FROM CENTER TOWARD R)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
RMI COMPASS CARD DOES NOT INDICATE HEADING CHANGES	TM 11-1520-238-23-2	HARS
RMI COMPASS CARD DOES NOT DISPLAY CORRECT BEARING (ADF RCVR CONTROL PANEL: ADF LOOP CONTROL ROTATED FROM CENTER TO R)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
RMI EDGE LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
RMI HEADING OFF WARNING FLAG IS IN VIEW	TM 11-1520-238-23-2	HARS
RMI POINTER DOES NOT MOVE (ADF RCVR CONTROL PANEL: CW/VOICE/TEST SWITCH SET TO TEST)	TM 11-1520-238-23-2	NAVIGATION INSTRUMENTS
RNDS 0200 DOES NOT APPEAR ON HOD (CPG CYCLIC STICK: R/G/M/C SWITCH SET TO G)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
RNDS CNTR – MAG CONTROLLER NO-GO AFT OF LH FAB APPEARS ON HOD (ACY)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
RNDS CNTR – MAG CONT NO-GO AFT OF LH FAB APPEARS ON HOD (ACZ)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
RNDS XXXX DOES NOT APPEAR ON HOD AND GUN TURRET DOES NOT UNSTOW (PILOT CYCLIC STICK: R/G/M/C SWITCH SET TO G)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
RNDS XXXX DOES NOT APPEAR ON VDU AND GUN TURRET DOES NOT UNSTOW (PILOT CYCLIC ACTIONED)	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
ROCKET INDICATOR ON CPG CAUTION/WARNING PANEL LIGHTS	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET CONTROL PANEL NO-GO PILOTS COMPARTMENT APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET CONTROL PANEL NO-GO PILOTS COMPARTMENT AND ALL STATION DIRECTOR NO-GO APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET CONTROL PANEL QTY REM DISPLAYS INCORRECT ALL ZONES	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET CONTROL PANEL QTY REM DISPLAYS INCORRECT ZONE A AND/OR C	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET CONTROL PANEL QTY REM DISPLAYS INCORRECT ZONE B AND/OR D	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET CONTROL PANEL QTY REM DISPLAYS INCORRECT ZONE E	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET CONTROL PANEL QTY REM INDICATORS DO NOT DIM	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET STEERING CURSOR AND ZONE? DOES NOT APPEAR ON HOD CRKT DOES NOT APPEAR ON VDU	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROCKET STEERING CURSOR DOES NOT APPEAR ON VDU PRKT DOES NOT APPEAR ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
ROLL SWITCH DOES NOT STAY ON AND ASE INDICATOR IS LIGHTED	TM 1-1520-238-T-7	DASE
ROTOR BRAKE DOES NOT STOP ROTATION OF MAIN ROTOR BLADE ASSEMBLY (PILOT POWER QUADRANT: RTR BK SWITCH SET TO BRAKE)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
ROTOR BRAKE NO-GO PLT COMPARTMENT APPEARS ON HOD	TM 1-1520-238-T-7	DASE
ROTORS BEGIN TO TURN (EXTERNAL PRIMARY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
ROTORS BEGIN TO TURN (EXTERNAL UTILITY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
ROUNDS COUNT DISPLAYED ON HOD IS NOT CORRECT	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
RTR BLADE DISTR DE-ICE NO-GO MAIN RTR MAST APPEARS ON HOD (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADE DE-ICE
RTR BLADE PWR CONTROLLER NO-GO RH XMSN BAY APPEARS ON HOD (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADE DE-ICE
RTR BRK CIRCUIT BREAKER (CB37) DOES NOT STAY CLOSED (EXTERNAL PRIMARY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
RTR BRK CIRCUIT BREAKER (CB37) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
RTR BRK CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT ASE PANEL: BUCS TST SWITCH SET TO CPG)	TM 1-1520-238-T-7	DASE
RTR BRK CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT ASE PANEL: BUCS TST SWITCH SET TO PLT)	TM 1-1520-238-T-7	DASE
RTR BRK CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT POWER QUADRANT: RTR BK SWITCH SET TO BRAKE AND PWR LEVERS SET TO OFF)	TM 1-1520-238-T-7	DASE
RTR BRK INDICATOR IS LIGHTED (PILOT POWER QUADRANT: RTR BK SWITCH SET TO OFF)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
RTR BRK INDICATOR IS NOT LIGHTED (PILOT POWER QUADRANT: RTR BK SWITCH SET TO BRAKE)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
SAFE INDICATOR DOES NOT LIGHT (CPG FCP: SWITCH SET TO SAFE AND MSL SWITCH SET TO OFF)	TM 9-1427-475-20	HME SYSTEM
SAFE SAFE DOES NOT APPEAR ON HOD OR FAIL FAIL APPEARS ON HOD (MSL LAUNCHERS LATCHED AND SET TO SAFE) (CPG FCP: MSL SWITCH SET TO ON)	TM 9-1427-475-20	HME SYSTEM
SAFE SAFE INDICATION REMAINS ON HOD (CPG FCP: CPG SWITCH SET TO ARM)	TM 9-1427-475-20	HME SYSTEM
SAFE SAFE (LT INBD LCHR) OR FAIL FAIL MESSAGE APPEARS ON HOD (CPG FCP: CPG SWITCH SET TO SAFE)	TM 9-1427-475-20	HME SYSTEM
SAFE SAFE REMAINS ON HOD (PILOT FCP: MASTER ARM SWITCH SET TO ARM) (CPG FCP: SWITCH SET TO ARM)	TM 9-1427-475-20	HME SYSTEM
SAFE SAFE (RT INBD LCHR) OR FAIL FAIL MESSAGE APPEARS ON HOD (CPG FCP: CPG SWITCH SET TO SAFE)	TM 9-1427-475-20	HME SYSTEM
SCRATCH PAD DOES NOT GO BLANK (CDU: KEY NAV FAB PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
SCRATCH PAD IS NOT NOW BLANK AND CDU DOES NOT DISPLAY THE FOLLOWING ON LINE 1 PPOS 12S VN 3262 0377 AND LINE 2 VAR E012.0 SPH CLO	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
SCRATCH PAD IS NOT NOW BLANK AND CDU DOES NOT DISPLAY THE FOLLOWING ON LINE 1 H 12S WN 0000 0000 AND LINE 2 E010.0 CL6	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
SCRATCH PAD IS NOT NOW BLANK AND CDU DOES NOT DISPLAY THE FOLLOWING ON LINES 3, 1 12S WN 0000 2500 AND LINE 4 E010.0 CL6 (CDU: DATA ENTERED ON SCRATCH PAD AND VAB NEXT TO DISPLAYED NUMBER PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
SCU 1 NO-GO LH CATWALK APPEARS ON HOD (AAC)	TM 1-1520-238-T-7	STABILATOR
SCU 2 NO-GO LH CATWALK APPEARS ON HOD (AAC)	TM 1-1520-238-T-7	STABILATOR
SDCC (ONLY) FAILS TO ZEROIZE (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
SDCC (ONLY) UNCOMMANDED ZEROIZE (ADD)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137 (ADD)
SELF TEST INDICATOR IS NOT LIGHTED (PILOT FIRE CONTROL PANEL: MASTER SWITCH SET TO SAFE)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
SERVOCYLINDER DOES NOT TRAVEL FULL STROKE (EXTERNAL PRIMARY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	PRIMARY HYDRAULIC SYSTEM
SEU NO-GO RH FAB APPEARS ON HOD	TM 9-1270-221-23	IHADSS
SHAFT DRIVEN COMP INDICATOR IS LIGHTED (ENGINE 1 OPERATING)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
SHAFT DRIVEN COMP INDICATOR IS NOT LIGHTED (FOR APPROXIMATELY 60 SECONDS AFTER APU START)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
SHAFT DRIVEN COMP INDICATOR REMAINS LIGHTED (FOR LONGER THAN APPROXIMATELY 60 SECONDS AFTER APU START)	TM 1-1520-238-T-5	PRESSURIZED AIR SYSTEM
SHORT BEEP IS HEARD IN HEADSET (CIPHONY PANEL: MODE SWITCH SET TO CIPHER, PILOT PTT SWITCH AND RADIO TRANSMITTER FOOT SWITCH PRESSED AND HELD)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
SHORT BEEP IS NOT HEARD IN HEADSET AT BEGINNING OF TRANSMISSION (PILOT RADIO TRANSMIT FOOT SWITCH DEPRESSED AND HELD)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT
SIDETONE AUDIO NOT HEARD IN HEADSET (PILOT CYCLIC STICK: RADIO PUSH TO TALK OR RADIO TRANSMITTER FOOT SWITCH PRESSED)	TM 11-1520-238-23-2	TSEC/KY-28 COMMUNICATIONS SECURITY EQUIPMENT

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
SIM LAUNCH DOES NOT APPEAR ON HOD (CPG CYCLIC STICK: TRIGGER PULLED TO FIRST DETENT FOR TEN SECONDS THEN TO SECOND DETENT)	TM 9-1427-475-20	HME SYSTEM
SIM LAUNCH AND TOF COUNT DOWN DO NOT APPEAR ON VDU (PILOT CYCLIC STICK: TRIGGER PULLED)	TM 9-1427-475-20	HME SYSTEM
SOME INDICATORS ARE NOT LIGHTED OR FLASHING (CPG MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING PANEL ■
SOME INDICATORS ARE NOT LIGHTED OR FLASHING (PILOT MASTER CAUTION/ WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING PANEL ■
SQUAT SWITCH NO-GO AFT OF LH FAB APPEARS ON HOD	TM 1-1520-238-T-7	DASE
STAB AUTO AC CIRCUIT BREAKER (CB2) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
STAB AUTO AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
STAB AUTO DC CIRCUIT BREAKER (CB3) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 3 – PILOT STATION)
STAB AUTO DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
STAB CONTROL UNIT 1 NO-GO LH AFT CATWALK APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR
STAB CONTROL UNIT 2 NO-GO LH AFT CATWALK APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
STAB MAN AC CIRCUIT BREAKER (CB7) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – PILOT STATION)
STAB MAN AC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
STAB MAN DC CIRCUIT BREAKER (CB6) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – PILOT STATION)
STAB MAN DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS DO NOT INDICATE 13.5 ±2° ND (PITOT TESTER: AIRSPEED SET TO 100 ±2 KNOTS) (PILOT COLLECTIVE STICK: FULL UP POSITION)	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS DO NOT INDICATE 15 ±2° ND (PITOT TESTER: AIRSPEED SET TO 83 ±2 KNOTS)	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS DO NOT INDICATE 25 ±2° ND OR NOE/APRCH SWITCH DISENGAGES (PILOT ASE PANEL: NOE/APRCH SWITCH SET TO NOE/APRCH)	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS DO NOT INDICATE 25 ±2° ND (PILOT OR CPG COLLECTIVE STICK: RESET PUSHBUTTON PRESSED)	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS DO NOT INDICATE 2 ±2° ND (PITOT TESTER: AIRSPEED SET TO 155 ±2 KNOTS) (PILOT COLLECTIVE STICK: FULL UP POSITION)	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS DO NOT INDICATE 21 ±2° ND (PITOT TESTER: AIRSPEED SET TO 80 ±2 KNOTS) (PILOT COLLECTIVE STICK: FULL UP POSITION)	TM 1-1520-238-T-7	STABILATOR

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
STAB POS INDICATORS DO NOT INDICATE $35 \pm 2^\circ$ ND (PITOT TESTER: AIRSPEED REDUCED TO ZERO (0) KNOTS) (CPG COLLECTIVE STICK: ND/NU SWITCH PULSED TO ND POSITION UNTIL STABILATOR REACHES DOWN LIMIT)	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS DO NOT INITIALLY INDICATE $25 \pm 2^\circ$ ND THEN DECREASES TO $20 \pm 2^\circ$ (PITOT TESTER: AIRSPEED SET TO 60 ± 2 KNOTS)	TM 1-1520-238-T-7	STABILATOR
STAB POS INDICATORS SHOW MOVEMENT (PITOT TESTER: AIRSPEED SET TO 85 ± 2 KNOTS) (PILOT COLLECTIVE STICK: ND/NU SWITCH PULSED TO ND FOR TWO SECONDS)	TM 1-1520-238-T-7	STABILATOR
STAB POS NOT AT $2 \pm 2^\circ$ NU FOR 165 KNOTS AND COLLECTIVE CENTERED	TM 1-1520-238-T-7	STABILATOR
STAB POS NOT AT $19 \pm 2^\circ$ NU FOR 70 KNOTS AND COLLECTIVE CENTERED	TM 1-1520-238-T-7	STABILATOR
STABILATOR DOES NOT MOVE TO WITHIN $\pm 2^\circ$ OF 9° NU (PILOT COLLECTIVE STICK: ND/NU SWITCH PULSED TO NU UNTIL STAB POS INDICATOR INDICATES FULL UP POSITION)	TM 1-1520-238-T-7	STABILATOR
STABILATOR DOES NOT MOVE EITHER UP OR DOWN OR STAB MAN DC CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 1-1520-238-T-7	STABILATOR
STATION DIRECTOR NO-GO LT INBD AND LT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
STATION DIRECTOR NO-GO LT INBD APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
STATION DIRECTOR NO-GO LT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
STATION DIRECTOR NO-GO RT INBD AND RT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
STATION DIRECTOR NO-GO RT INBD APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM
STATION DIRECTOR NO-GO RT OUTBD APPEARS ON HOD	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
STBY ATTD CIRCUIT BREAKER (CB19) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS – PILOT STATION)
STORES JETT PANEL EDGE-LIGHTING DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: L CSL CONTROL ROTATED TO BRT)	TM 1-1520-238-T-8	EXTERNAL STORES JETTISON
SYM GEN – LT BUS NO-GO APPEARS ON HOD (ACZ)	TM 9-1090-208-23-2	MULTIPLEX SUBSYSTEM
SYM GEN – RT BUS NO-GO APPEARS ON HOD (ACZ)	TM 9-1090-208-23-2	MULTIPLEX SUBSYSTEM
SYM LAUNCH AND THEN TOF MESSAGE DO NOT APPEAR ON HOD (ORT: TRIGGER PULLED)	TM 9-1427-475-20	HME SYSTEM
SYM LAUNCH DOES NOT APPEAR ON HOD (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1427-475-20	HME SYSTEM
SYMBOL GENERATOR DOES NOT RESPOND TO SYMBOL SELECTION (CPG FIRE CONTROL PANEL: MUX SWITCH SET TO SEC)	TM 11-1520-238-23-2	SYMBOL GENERATOR
SYMBOL GENERATOR GO DOES NOT APPEAR ON HOD	TM 11-1520-238-23-2	SYMBOL GENERATOR
SYMBOL GENERATOR NO-GO LH FAB DOES NOT APPEAR ON HOD (CPG FIRE CONTROL PANEL: SYSTEM FC SYM GEN SWITCH SET TO FC SYM GEN)	TM 11-1520-238-23-2	SYMBOL GENERATOR
SYMBOL GENERATOR NO-GO RH FAB DOES NOT APPEAR ON HOD (CPG FIRE CONTROL PANEL: SYSTEM FC SYM GEN SWITCH SET TO OFF)	TM 11-1520-238-23-2	SYMBOL GENERATOR
SYMBOL GENERATOR SYMBOLS DO NOT APPEAR ON ORT AND VDU (DEK: DATA ENTRY SWITCH SET TO STBY)	TM 11-1520-238-23-2	SYMBOL GENERATOR
SYMBOLOLOGY DOES NOT APPEAR ON HOD (VDU: MODE SWITCH SET TO CPG)	TM 11-1520-238-23-2	VIDEO RECORDER
SYMBOLOLOGY DOES NOT APPEAR ON VDU OR BRIGHTNESS CANNOT BE ADJUSTED (VDU: MODE SWITCH SET TO CPG AND ADJUSTED TO BRT)	TM 11-1520-238-23-2	VIDEO RECORDER

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
SYMBOLS ON CPG IHADSS DO NOT BRIGHTEN (ORT: SYM BRT CONTROL ACTIONED)	TM 11-1520-238-23-2	SYMBOL GENERATOR
SYMBOLS ON PILOT IHADSS DO NOT BRIGHTEN (PILOT FIRE CONTROL PANEL: IHADSS VID SYM BRT CONTROL ROTATED)	TM 11-1520-238-23-2	SYMBOL GENERATOR
TADS AC CIRCUIT BREAKER (CB3) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (AC ESSENTIAL BUS 1 – CPG STATION)
TADS DC CIRCUIT BREAKER (CB2) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 1 – CPG STATION)
TADS FLIR VIDEO IS NOT DISPLAYED ON VDU (PILOT FIRE CONTROL PANEL: FLIR VID, GAIN AND LEVEL ADJUSTED)	TM 11-1520-238-23-2	VIDEO RECORDER
TADS INDICATORS ARE NOT LIGHTED (CPG FIRE CONTROL PANEL: TADS SWITCH SET TO TADS)	TM 1-1520-238-T-6	CPG CAUTION AND WARNING SYSTEM
TADS SHROUD WINDOW HEATERS DO NOT COOL (CPG FIRE CONTROL PANEL: SYSTEM TADS SWITCH SET TO OFF) (CPG AUX/ANTI-ICE PANEL: TADS/PNVS SWITCH SET TO OFF)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
TADS SHROUD WINDOW HEATERS DO NOT HEAT (CPG FIRE CONTROL PANEL: SYSTEM TADS SWITCH SET TO TADS) (CPG AUX/ANTI-ICE PANEL: TADS/PNVS SWITCH SET TO GND)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
TADS SHROUD WINDOW HEATERS DO NOT HEAT (CPG FIRE CONTROL PANEL: SYSTEM TADS SWITCH SET TO TADS) (CPG AUX/ANTI-ICE PANEL: TADS/PNVS SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TADS TURRET DOES NOT FOLLOW CPG HEAD MOVEMENTS (CPG FC PANEL: SIGHT SEL SWITCH SET TO HMD/TADS)	TM 9-1270-221-23	IHADSS
TADS VIDEO AND SYMBOLS ARE NOT DISPLAYED (ORT: VIDEO SEL SWITCH SET TO TADS)	TM 11-1520-238-23-2	SYMBOL GENERATOR
TAIL FORMATION LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: FORM CONTROL ROTATED TO BRT)	TM 1-1520-238-T-6	FORMATION LIGHTS
TAIL NAVIGATION LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: NAV SWITCH SET TO DIM OR BRT)	TM 1-1520-238-T-6	NAVIGATION LIGHTS
TAIL ROTOR BLADES OUT OF BALANCE	TM 1-1520-238-T-4	TAIL ROTOR BALANCE
TAIL ROTOR HEATER NO-GO TAIL ROTOR APPEARS ON HOD (APU OPERATING)	TM 1-1520-238-T-8	ROTOR BLADES DE-ICE
TAIL WHEEL ADVISORY LIGHT DOES NOT LIGHT (PILOT TAIL WHEEL LOCK PANEL: UNLOCK/LOCK SWITCH SET TO UNLOCK)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
TAIL WHEEL DOES NOT RETURN TO CENTERLINE	TM 1-1520-238-T-4	TAIL LANDING GEAR
TAIL WHEEL INDICATOR IS NOT LIGHTED (PILOT FIRE CONTROL PANEL: MASTER SWITCH SET TO OFF)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
TAIL WHEEL LOCK ACTUATOR DOES NOT UNLOCK TAIL WHEEL (PILOT TAIL WHEEL LOCK PANEL: UNLOCK/LOCK SWITCH SET TO UNLOCK)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
TAIL WHEEL LOCKING PIN IS BINDING OR DOES NOT DISENGAGE FROM LOCKING PLATE	TM 1-1520-238-T-4	TAIL LANDING GEAR
TAIL WHEEL LOCK PANEL EDGE-LIGHT IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TEMP TR INDICATOR IS LIGHTED ON BOTH CAUTION/WARNING PANELS (MASTER CAUTION/WARNING PANELS: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
TEMP TR INDICATOR LIGHTS (ENGINES 1 AND 2 OPERATING)	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
TEST GO INDICATOR DOES NOT LIGHT (MODE C) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR DOES NOT LIGHT OR REJECT INDICATOR LIGHTS OR ANT STATUS INDICATOR LIGHTS (ANT SWITCH AT BOT)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR DOES NOT LIGHT OR REJECT INDICATOR LIGHTS OR ANT STATUS INDICATOR LIGHTS (ANT SWITCH AT TOP)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: M1 SWITCH SET TO ON AND M-2 SWITCH HELD TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: M-1 SWITCH HELD TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: M-2 SWITCH SET TO ON AND M-3/A SWITCH HELD TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: M-3/A SWITCH SET TO ON AND M-C SWITCH HELD TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 TEST SWITCH SET TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TEST GO INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: ANT SWITCH SET TO BOT, MODE 1, 2, AND 3/A TESTS PERFORMED)	TM 11-1520-238-23-2	IFF SYSTEM
TEST GO INDICATOR ON AN/APM-378 TRANSPONDER TEST SET DOES NOT LIGHT ON MODE 1, 2, AND 3/A (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 1, 2, AND 3/A TESTS PERFORMED)	TM 11-1520-238-23-2	IFF SYSTEM
TEST/GO, MODE 4 REPLY AND TEST/MON NO-GO INDICATORS DO NOT LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 TEST SWITCH SET TO OUT AND EACH INDICATOR PRESSED)	TM 11-1520-238-23-2	IFF SYSTEM
TEST/MON NO-GO INDICATES OR IFF INDICATORS LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: M-3A SWITCH SET TO ON AND M-C SWITCH HELD TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM
TEST/MON NO-GO INDICATOR LIGHTS (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 CODE SWITCH SET TO B)	TM 11-1520-238-23-2	IFF SYSTEM
TEST/MON NO-GO INDICATOR LIGHTS (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 CODE SWITCH SET TO B) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM
TEST/MON NO-GO INDICATOR LIGHTS (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 CODE SWITCH SET TO ON)	TM 11-1520-238-23-2	IFF SYSTEM
TEST/MON NO-GO INDICATORS ON IFF TRANSPONDER LIGHTS (PILOT IFF TRANSPONDER CONTROL PANEL: MODE 4 CODE SWITCH SET TO ON) (AN/APM-424 TRANSPONDER TEST SET: TEST SEQ SWITCH PRESSED AND RELEASED)	TM 11-1520-238-23-2	IFF SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TEST/MON NO-GO INDICATORS OR IFF INDICATORS LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: M-1 SWITCH SET TO ON AND M-2 SWITCH HELD TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM
TEST/MON NO-GO INDICATORS OR IFF INDICATORS LIGHT (PILOT IFF TRANSPONDER CONTROL PANEL: M-2 SWITCH SET TO ON AND M-3/A SWITCH HELD TO TEST)	TM 11-1520-238-23-2	IFF SYSTEM
TEST PATTERN APPEARS BUT IS DISTORTED (VDU: MODE SWITCH HELD TO TEST AND BRT AND CTRS CONTROLS ADJUSTED)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
TGT INDICATOR EXCEEDS 867° C (1560° F) (ENGINE 1 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
TGT INDICATOR EXCEEDS 867° C (1560° F) (ENGINE 2 STARTING UP)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
TGT, N _G , ENG-RTR RPM%, TORQUE AND ENG OIL INDICATORS DO NOT GO TO FULL SCALE FOR 3 SECONDS OR DO NOT SHOW 888 IN DIGITAL DISPLAYS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH SET TO TST)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 1)
TGT, N _G , ENG-RTR RPM%, TORQUE AND ENG OIL INDICATORS DO NOT GO TO FULL SCALE FOR 3 SECONDS OR DO NOT SHOW 888 IN DIGITAL DISPLAYS (PILOT DIM/TEST PANEL: DGT OFF/NORM/TST SWITCH TO TST)	TM 1-1520-238-T-4	POWER PLANTS (ENGINE 2)
THROT CIRCUIT BREAKER (CB8) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS - PILOT STATION)
TOF COUNTDOWN FOR FIRST MISSILE DOES NOT APPEAR ON HOD (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1427-475-20	HME SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TOF COUNTDOWN FOR FIRST MISSILE IS NOT MOMENTARILY INTERRUPTED BY SYM LAUNCH MESSAGE FOR SECOND MISSILE (CPG CYCLIC STICK: TRIGGER PULLED)	TM 9-1427-475-20	HME SYSTEM
TOF COUNTDOWN FOR FIRST MISSILE IS NOT MOMENTARILY INTERRUPTED BY SYM LAUNCH MESSAGE FOR SECOND MISSILE ON VDU (PILOT MSL PANEL: LSR CODE SWITCH SET TO LWR) (PILOT CYCLIC STICK: TRIGGER PULLED TO SECOND DETENT)	TM 9-1427-475-20	HME SYSTEM
TONE IS NOT HEARD IN CPG HEADSET (CPG VIDEO RECORDER CONTROL PANEL: EVENT MARK TIME ON MIN DISPLAY IS REACHED)	TM 11-1520-238-23-2	VIDEO RECORDER
TOP PISTON FAILS TO MOVE STABILATOR, ONLY BOTTOM PISTON OF ACTUATOR MOVES STABILATOR UP HALFWAY (PILOT COLLECTIVE STICK: ND/NU SWITCH PULSED TO NU UNTIL STAB POS INDICATOR INDICATES FULL UP POSITION)	TM 1-1520-238-T-7	STABILATOR
TOP STAB ACTUATOR NO-GO TAIL SECTION APPEARS ON HOD	TM 1-1520-238-T-7	STABILATOR
TORQUE, TGT, N _G RPM% AND ENG-RTR RPM% INDICATORS DO NOT LIGHT (CPG INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 1-1520-238-T-5	ENGINE INSTRUMENTS
TRAIN RATE SENSOR NO-GO TURRET ASSY APPEARS ON HOD	TM 9-1090-208-23-2	AREA WEAPON SYSTEM
TRANSMIT AUDIO IS NOT HEARD IN HEADSET (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	TSEC/KY-58 COMMUNICATIONS SECURITY EQUIPMENT

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TRANSMIT AUDIO IS NOT PRESENT IN BOTH HEADSETS (CPG TRANSMITTING) (CPG CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	UHF-AM RADIO SET
TRANSMIT AUDIO IS NOT PRESENT IN BOTH HEADSETS (PILOT TRANSMITTING) (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	UHF-AM RADIO SET
TRANSMIT AUDIO (CPG) IS NOT PRESENT IN EITHER HEADSET (CPG TRANSMITTING) (CPG CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
TRANSMIT AUDIO IS NOT PRESENT IN EITHER HEADSET (PILOT TRANSMITTING) (PILOT CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
TRANSMIT AUDIO (PILOT) IS NOT PRESENT IN EITHER HEADSET (CPG TRANSMITTING) (CPG CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET
TRANSMIT POWER IS REPORTED TO BE WEAK OR NOT CLEAR (PILOT OR CPG TRANSMITTING) (PILOT OR CPG CYCLIC STICK: RADIO/ICS SWITCH SET TO RADIO)	TM 11-1520-238-23-2	UHF-AM RADIO SET
TRIM CIRCUIT BREAKER (CB87) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC EMERGENCY BUS - PILOT STATION)
TRIM CIRCUIT BREAKER DOES NOT STAY CLOSED (ADC)	TM 11-1520-238-23-2	HARS
TRIM CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT CYCLIC STICK: FORCE TRIM REL SWITCH PUSHED TO OFF)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TRIM CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT CYCLIC STICK: FORCE TRIM REL SWITCH PUSHED TO RELEASE)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
TRIM CIRCUIT BREAKER DOES NOT STAY CLOSED (PILOT CYCLIC STICK: FORCE TRIM REL SWITCH SET TO ON)	TM 1-1520-238-T-7	FLIGHT CONTROL SYSTEM
TSEC/KY-58 FRONT PANEL EDGE LIGHT (AND RCU) IS NOT LIGHTED (PILOT EXT LT/INTR LT PANEL: R/CTR CSL CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	TSEC/KY-58 COMMUNICATIONS SECURITY EQUIPMENT
TTG AND DIST DATA DO NOT START DECREASING (CDU: KEYBOARD NUMBER 150 ENTERED ON SCRATCH PAD AND VAB NEXT TO DISPLAYED WORD KPH PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
TURN AND SLIP INDICATOR DOES NOT MOVE TO THE LEFT (HARS PHYSICALLY TURNED TO SIMULATE ROLL)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
TURN AND SLIP INDICATOR DOES NOT MOVE TO THE RIGHT (HARS PHYSICALLY TURNED TO SIMULATE ROLL)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
TURN AND SLIP INDICATOR EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
TWHL LOCK CIRCUIT BREAKER (CB59) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 - PILOT STATION)
TWHL LOCK CIRCUIT BREAKER (CB59) DOES NOT STAY CLOSED (PILOT TAIL WHEEL LOCK PANEL: UNLOCK LOCK SWITCH SET TO LOCK)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TYPE I MRTU – LT BUS NO-GO LH FAB APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU – LT BUS NO-GO RH FAB APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU – RT BUS NO-GO LH FAB APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU – RT BUS NO-GO RH FAB APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU NO-GO LH FAB APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU NO-GO LH FAB APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU NO-GO LH FAB APPEARS ON HOD (SEC BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU NO-GO RH FAB APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU NO-GO RH FAB APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU – LT BUS NO-GO LH INBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU – LT BUS NO-GO LH OUTBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU – LT BUS NO-GO RH INBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU – LT BUS NO-GO RH OUTBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU – RT BUS NO-GO LH INBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU – RT BUS NO-GO LH OUTBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TYPE II MRTU – RT BUS NO-GO RH INBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU – RT BUS NO-GO RH OUTBD APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO LH INBD APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO LH INBD APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO LH INBD APPEARS ON HOD (SEC BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO LH OUTBD APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO LH OUTBD APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO LH OUTBD APPEARS ON HOD (SEC BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO RH INBD APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO RH INBD APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO RH OUTBD APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO RH OUTBD APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE I MRTU NO-GO RH FAB APPEARS ON HOD (SEC BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO RH INBD APPEARS ON HOD (PRI BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE II MRTU NO-GO RH OUTBD APPEARS ON HOD (SEC BUS DETACHED) (ACY)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
TYPE III MRTU – LT BUS NO-GO CPG COMPARTMENT APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE III MRTU – RT BUS NO-GO CPG COMPARTMENT APPEARS ON HOD (ACZ)	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
TYPE III MRTU NO-GO CPG COMPARTMENT APPEARS ON HOD	TM 9-1230-476-20-2	MULTIPLEX SUBSYSTEM
UHF-AM RECEIVER/TRANSMITTER DOES NOT TUNE TO PROPER CHANNEL (MANUAL/GUARD/PRESET SWITCH SET TO PRESET)	TM 11-1520-238-23-2	UHF-AM RADIO SET
UHF-AM RECEIVER/TRANSMITTER EDGE LIGHT IS NOT LIGHTED (PILOT EXT LT/ INTR LT PANEL: R/CTR CSL CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	UHF-AM RADIO SET
UHF HAVE QUICK FAILS TO RETAIN TOD (ADD)	TM 11-1520-238-23-2	UHF-AM RADIO SET
UNEVEN TIRE WEAR EXISTS	TM 1-1520-238-T-4	MAIN LANDING GEAR
UP=A (A FLASHING) LO=C AND DIR NORM DO NOT APPEAR ON PILOT VDU (PILOT MSL PANEL: LOAL SWITCH SET TO DIR)	TM 9-1427-475-20	HME SYSTEM
UPDT DOES NOT CHANGE TO PPOS (CDU: VAB NEXT TO DISPLAYED WORD UPDT PRESSED)	TM 11-1520-238-23-2	DOPPLER NAVIGATION SYSTEM (DNS) AN/ASN-137
UTIL ACC PSI X 1000 INDICATOR DOES NOT INDICATE 3000 PSI (PILOT APU FIRE TEST PANEL: START/RUN/OFF SWITCH SET TO OFF)	TM 1-1520-238-T-8	AUXILIARY POWER UNIT
UTIL HYD INDICATOR DOES NOT INDICATE 3000 PSI (APU OPERATING)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
UTIL HYD INDICATOR DOES NOT INDICATE 3000 PSI (EXTERNAL UTILITY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
UTIL HYD INDICATOR IS LIGHTED (CPG CIRCUIT BREAKER PANEL 1: EMERG BATT CAUT CIRCUIT BREAKER CLOSED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
UTIL HYD PSI INDICATOR IS LIGHTED (EXTERNAL UTILITY HYDRAULIC POWER APPLIED)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
UTIL HYD PSI INDICATOR IS NOT LIGHTED (HYDRAULIC HAND PUMP SELECTOR VALVE SET TO AFT)	TM 1-1520-238-T-5	UTILITY HYDRAULIC SYSTEM
VDU CIRCUIT BREAKER DOES NOT STAY CLOSED	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
VDU DISPLAY BRIGHTNESS IS NOT ADJUSTABLE WITH BRT CONTROL (VDU: MODE SWITCH SET TO TEST)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
VDU DISPLAY CONTRAST IS NOT ADJUSTABLE WITH CTRS CONTROL (VDU: MODE SWITCH SET TO TEST)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
VDU DISPLAY NO CHANGE IN HORIZON (VDU: ROLL TRIM CONTROL ADJUSTED)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
VDU HDG TAPE/RAI, HSI AND RMI OFF FLAGS ARE VISIBLE (ADC) OR HARS GO, VDU HDG TAPE AND HSI OFF FLAG ARE VISIBLE (ADD)	TM 11-1520-238-23-2	HARS
VDU HI ALTITUDE WARNING IS NOT DISPLAYED (RADAR ALTIMETER HEIGHT INDICATOR: HI SET INDICATOR PRESSED AND HELD)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
VDU LO ALTITUDE WARNING IS NOT DISPLAYED (RHI: LO SET INDICATOR PRESSED AND HELD)	TM 11-1520-238-23-2	RADAR ALTIMETER SET
VDU EDGE LIGHT DOES NOT LIGHT (PILOT EXT LT/INTR LT PANEL: INST CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	VIDEO DISPLAY UNIT (VDU)
VHF AM-FM RECEIVER/TRANSMITTER (CPG) EDGE - LIGHT - IS NOT LIGHTED	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
VHF AM-FM RECEIVER/TRANSMITTER (PILOT) EDGE - LIGHT - IS NOT LIGHTED (HELICOPTER SERIAL NO. 82-23355 THRU 83-23798) (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RECEIVER/TRANSMITTER (PILOT) EDGE - LIGHT - IS NOT LIGHTED (HELICOPTER SERIAL NO. 83-23799 AND SUBSEQUENT) (ADI)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADI)
VHF AM-FM RECEIVE AUDIO (CPG) - IS NOT PRESENT IN CPG HEADSET	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RECEIVE AUDIO (CPG) - IS NOT PRESENT IN EITHER HEADSET	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RECEIVE AUDIO (CPG) - IS NOT PRESENT IN PILOT HEADSET	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RECEIVE AUDIO (PILOT) - IS NOT PRESENT IN EITHER HEADSET (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RECEIVE AUDIO (PILOT) - IS NOT PRESENT IN PILOT HEADSET (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RECEIVE AUDIO (PILOT) - IS NOT PRESENT IN CPG HEADSET	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RADIO TRANSMIT POWER (CPG) - IS LOW	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM RADIO TRANSMIT POWER (PILOT) - IS WEAK OR NOT CLEAR (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM TRANSMIT AUDIO (CPG) - IS NOT PRESENT IN EITHER HEADSET (CPG TRANSMITTING) (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
VHF AM-FM TRANSMIT AUDIO (CPG) – IS NOT PRESENT IN EITHER HEADSET (PILOT TRANSMITTING)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM TRANSMIT AUDIO (PILOT) – IS NOT PRESENT IN EITHER HEADSET (PILOT TRANSMITTING) (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF AM-FM TRANSMIT AUDIO (PILOT) – IS NOT PRESENT IN EITHER HEADSET (CPG TRANSMITTING) (ADH)	TM 11-1520-238-23-2	VHF AM-FM RADIO SET AN/ARC-186 (ADH)
VHF PLT, UHF AND VHF CPG INDICATORS ARE NOT LIGHTED (PILOT MASTER CAUTION/WARNING PANEL: PRESS TO TEST INDICATOR PRESSED)	TM 1-1520-238-T-6	PILOT CAUTION AND WARNING SYSTEM
VIB MON CIRCUIT BREAKER (CB79) DOES NOT STAY CLOSED	TM 1-1520-238-T-4	DRIVE SYSTEM INDICATORS
VIB MON CIRCUIT BREAKER (CB79) DOES NOT STAY CLOSED (PILOT ELEC PWR PANEL: BATT/EXT PWR SWITCH SET TO EXT PWR)	TM 1-1520-238-T-6	CIRCUIT PROTECTION SYSTEM (DC ESSENTIAL BUS 2 – PILOT STATION)
VIDEO DOES NOT APPEAR ON HOD (ORT: FLIR/TV/DVO SWITCH SET TO TV)	TM 11-1520-238-23-2	VIDEO RECORDER
VIDEO DISPLAY IS STILL NOT STILL (CPG VIDEO RECORDER CONTROL PANEL: EVENT MARK TIME ON MIN DISPLAY IS REACHED)	TM 11-1520-238-23-2	VIDEO RECORDER
VIDEO RECORDER CONTROL PANEL EDGE LIGHT DOES NOT LIGHT (CPG INTR LT PANEL: L CSL AND INST CONTROL ROTATED TO BRT)	TM 11-1520-238-23-2	VIDEO RECORDER
VOLUME DOES NOT VARY IN HEADSETS (RADAR WARNING CONTROL UNIT: AUDIO CONTROL ADJUSTED)	TM 11-1520-238-23-2	INTEGRATED AUDIO WARNING SYSTEM (IAWS)
WINDSHIELDS DO NOT COOL (PILOT ANTI ICE PANEL: CANOPY HTR SWITCH SET TO OFF)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE

Table 2-1. Master Failure Symptom Index (cont)

Failure Symptom	Reference	MOC
WINDSHIELDS DO NOT GET WARM (PILOT ANTI ICE PANEL: CANOPY HTR SWITCH SET TO ON)	TM 1-1520-238-T-8	CANOPY DEFOG AND ANTI-ICE
WINDSHIELD WIPERS DO NOT PARK (PILOT ANTI ICE PANEL: WSHLD WIPER SWITCH SET TO PARK)	TM 1-1520-238-T-8	WINDSHIELD WIPERS
XMN 1 OIL PRESSURE DISPLAY IS NOT 00 LB APPEARS ON HOD	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
XMN 1 OIL TEMPERATURE DISPLAY IS NOT -31° C APPEARS ON HOD	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
XMN 2 OIL PRESSURE DISPLAY IS NOT 00 LB APPEARS ON HOD	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
XMN 2 OIL TEMPERATURE DISPLAY IS NOT -31° C APPEARS ON HOD	TM 1-1520-238-T-4	DRIVE SYSTEM DYNAMIC
YAW SWITCH DOES NOT STAY ON AND ASE INDICATOR IS LIGHTED	TM 1-1520-238-T-7	DASE
ZONE AND ROCKET STEERING CURSOR DOES NOT APPEAR ON HOD (ORT: RKT/GUN/MSL SWITCH SET TO RKT)	TM 9-1090-208-23-2	AERIAL ROCKET CONTROL SYSTEM

APPENDIX A

REFERENCES

A-1. SCOPE

This appendix contains a list of all official publications referenced in this technical volume.

A-2. MISCELLANEOUS MANUALS

DA Form 2028 Recommended Changes to Equipment Technical Publications
 DA Form 2028-2 Recommended Changes to Equipment Technical Publications
 DA PAM 738-751 Army Maintenance Management System – Aircraft (TAMMS-A)
 FM 55-411 Maintenance Quality Control and Technical Inspection for Army Aircraft
 SF 368 Deficiency Report

A-3. TECHNICAL MANUALS

TM 1-1520-238-T-1 Aviation Unit Maintenance Manual for Army AH-64A Helicopter Fault
 Detection/Location System
 TM 1-1520-238-T-3 Aviation Unit Maintenance Manual for Army AH-64A Helicopter Multiplex Read
 Codes
 TM 1-1520-238-T-4 Aviation Unit and Intermediate Troubleshooting Manual for Army AH-64A
 Helicopter
 TM 1-1520-238-T-5 Aviation Unit and Intermediate Troubleshooting Manual for Army AH-64A
 Helicopter
 TM 1-1520-238-T-6 Aviation Unit and Intermediate Troubleshooting Manual for Army AH-64A
 Helicopter
 TM 1-1520-238-T-7 Aviation Unit and Intermediate Troubleshooting Manual for Army AH-64A
 Helicopter
 TM 1-1520-238-T-8 Aviation Unit and Intermediate Troubleshooting Manual for Army AH-64A
 Helicopter
 TM 1-1520-238-T-9 Aviation Unit and Intermediate Troubleshooting Manual for Army AH-64A
 Helicopter Theory of Operation
 TM 1-1520-238-T-10 Aviation Unit Troubleshooting Manual for Army AH-64A Helicopter Wiring Diagrams
 TM 11-1520-238-23-2 Aviation Unit and Intermediate Troubleshooting Manual, Army Model AH-64A
 Helicopter, Avionics Configuration
 TM 750-244-1-5 Destruction of Army Material to Prevent Enemy Use
 TM 9-1090-208-23-1 Aviation Unit and Intermediate Maintenance Manual for Armament Subsystem,
 Helicopter: M139 Gun, Automatic, 30-Millimeter: M230 Rocket Management
 Subsystem, Inventory-Deployment: M140
 TM 9-1090-208-23-2 Aviation Unit and Intermediate Maintenance Manual for Armament Subsystem,
 Helicopter: M139 Gun, Automatic, 30-Millimeter: M230 Rocket Management
 Subsystem, Inventory-Deployment: M140

REFERENCES (cont)

- TM 9-1095-206-12&P Operator's and Aviation Unit Maintenance Manual for Dispenser, General Purpose Aircraft: M130 Part No. 9311430 (1095-01-036-6886)
- TM 9-1230-476-20-2 Aviation Unit Troubleshooting Manual for Army AH-64A Helicopter Fire Control System
- TM 9-1270-221-23 Aviation Unit and Intermediate Maintenance Manual for Fire Control Subsystem, Helmet Directed: M142
- TM 9-1427-475-20 Aviation Unit Maintenance Manual for Army AH-64A Helicopter HELLFIRE Missile Equipment (Point Target Weapon System), and Launcher Interface (Launcher, Guided Missile, Aircraft, M272 Part No. 13009444)

GLOSSARY

AAB	.....	Aft Avionics Bay
AC	.....	Alternating Current
ACC	.....	Accessory/Accumulator
ACM	.....	Automatic Control Module
ADS	.....	Air Data Subsystem
ACQ	.....	Acquisition
ACT	.....	Action
ACTR	.....	Actuator
AD	.....	Air Data
ADF	.....	Automatic Direction Finder
ADS	.....	Air Data System
AGPU	.....	Aviation Ground Power Unit
ALT	.....	Altimeter
AM	.....	Amplitude Modulation
AMMO	.....	Ammunition
AMP	.....	Ampere
AND	.....	Alphanumeric Display
ANT	.....	Antenna
APU	.....	Auxiliary Power Unit
APRCH	.....	Approach
ARCS	.....	Aerial Rocket Control System
ARINC	.....	Aeronautical Radio Incorporated
ASE	.....	Automatic Stabilization Equipment
ASN	.....	Aircraft Special Navigation
ASSY	.....	Assembly
ATT	.....	Attitude
ATTD	.....	Attitude
AUTO	.....	Automatic
AUX	.....	Auxiliary

GLOSSARY (cont)

AVI	Avionics
AVIM	Aviation Intermediate Maintenance
AVUM	Aviation Unit Maintenance
AWS	Area Weapon System
AZ	Azimuth
BAT	Battery
BATT	Battery
BBC	Backup Bus Controller
BIT	Built-in-test
BK	Break
BLWR	Blower
BOT	Bottom
BRK	Break
BRSIT	Boresight
BRT	Bright
BRU	Boresight Reticle Unit
BST	Boost
BTL	Bottle
BUCS	Backup Control System
BYP	Bypass
C	Celsius
CAB	Cabin
■ CAL	Calibration
CAUT	Caution
CB	Circuit Breaker
CCM	Counter Counter Measures
CDU	Control Display Unit, Computer Display Unit
CH	Channel

GLOSSARY (cont)

CHAR	.....	Character
CHAN	.....	Channel
CHGR	.....	Charger
CKT	.....	Circuit
CLR	.....	Clear
CMD	.....	Command
CNTR	.....	Counter
COLL	.....	Collective
COMM	.....	Communication/Common
COMP	.....	Compressor
COMPL	.....	Complete
CONT	.....	Control
CONTR	.....	Control
CPG	.....	Copilot Gunner
CPU	.....	Central Processing Unit
CRKT	.....	Copilot Rocket
CTR	.....	Contrast
CSC	.....	Communication System Control
CSL	.....	Console
CW	.....	Continuous Wave
DAP	.....	Display Adjust Panel
DASE	.....	Digital Automatic Stabilization Equipment
DASEC	.....	Digital Automatic Stabilization Equipment Computer
DC	.....	Direct Current
DCPLR	.....	Decoupler
DEG	.....	Degree
DEK	.....	Data Entry Keyboard

GLOSSARY (cont)

DES	Designation
DEST	Destination
DET	Detector
DEU	Display Electronics Unit
DGT	Dim/Test Panel Engine Instruments
DICE	De-Ice
DIR	Direct/Direction
DIR COS	Direct Cosine
DISP	Display
DISCH	Discharge
DISTR	Distribution
DMA	Direct Memory Access
DNS	Doppler Navigation System
DOD	Department of Defense
DPLR	Doppler
DR	Deficiency Report
DSA	Day Sensor Assembly
DSCRM	Discriminate
DTC	Data Transfer Cartridge
DTU	Data Transfer Unit
DTV	Day TV
DVO	Direct View Optics
EETF	Electronic Equipmwnst Test Facility
ECA	Electronic Control Amplifier
ECS	Environmental Control System
ECSP	Electronic Command Signal Processor
EED	Electronic Explosive Devices
EGI	Embedded GPS-Inertial
EGT	Engine Gas Turbine
EL	Elevation

GLOSSARY (cont)

ELEC	.....	Electrical
EMER	.....	Emergency
EMP	.....	Empty
ENG	.....	Engine
EXT	.....	External/Extinguisher
F	.....	Fahrenheit
FAB	.....	Forward Avionics Bay
FC	.....	Fire Control
FCC	.....	Fire Control Computer
FCP	.....	Fire Control Panel
FD/LS	.....	Fault Detection and Location System
FIP	.....	Fault Isolation Procedure
FLIR	.....	Forward Looking Infrared
FLT	.....	Flight
FM	.....	Frequency Modulation
FORM	.....	Formation
FOV	.....	Field of View
FR	.....	Front
FWD	.....	Forward
FXD	.....	Fixed
G	.....	Grams
GCB	.....	Gun Control Box
GCU	.....	Generator Control Unit
GEN	.....	Generator
GND	.....	Ground
GPS	.....	Global Positioning System
GRBX	.....	Gear Box

GLOSSARY (cont)

■	GUV	Group User Variables
	GYRO	Gyroscope
	HARS	Heading Attitude Reference System
	HDD	Heads Down Display
	HDG	Heading
	HDU	Helmet Display Unit
	HI	High
	HMD	Helmet Mounted Display
	HME	Hellfire Missile Equipment
	HOD	Heads Out Display
	HSE	Helmet Sensor Equipment
	HSI	Horizontal Situation Indicator
	HTR	Heater
	HYD	Hydraulic
	HZ	Hertz
	IAT	Image Auto Track
	ICS	Intercommunication System
	ID	Identification
	IFF	Identification Friend or Foe
	IGN	Ignition
	IHADSS	Integrated Helmet and Display Sight System
	IHU	Integrated Helmet Unit
	INBD	Inboard
	IND	Indicate
■	INOP	Inoperative
	INS	Inertial Navigation System
	INT	Internal/Interior
	INTR	Internal/Interior

GLOSSARY (cont)

INST	Instrument
IPS	Inches per Second
IR	Infrared
IRCM	Infrared Counter Measures
ITS	Integrated Troubleshooting
IVD	Indirect View Display
JAM	Jammer
JTSN	Jettison
KNT	Knots
L	Left
LB	Pound
LAT	Lateral, Latitude
LCHR	Launcher
LDG	Landing
LEU	Laser Electronics Unit
LH	Left-Hand
LIT	Light
LMC	Linear Motion Compensation
LO	Low
LOAL	Lock-On After Launch
LOBL	Lock-On Before Launch
LONG	Longitude
LOS	Line of Sight
LRU	Laser Receiver Unit
LS	Laser Missile Select
LT	Laser Tracker/Light/Left
LTRU	Laser Tracker Receiver Unit
LTU	Laser Transceiver Unit
LVDT	Linear Variable Differential Transducer
LVL	Level

GLOSSARY (cont)

LVR	Lever/Louver
M	Meter
MA	Missile Abort
MF	Missile Fail
MAINT	Maintenance
MAL	Malfunction
MAN	Manual
MEM	Memory
MFOV	Medium Field of View
MH	Missile Hangfire
MIC	Microphone
MOC	Maintenance Operational Check
MON	Monitor
MRTU	Multiplex Remote Terminal Unit
MOT	Motor
MSL	Missile
MU	Missile Unlatched
MUX	Multiplex
NA	Not Applicable
NAV	Navigation
ND	Nose Down
NF	No Fire
NFOV	Near Field of View
NG	Gas Generator Speed
NGB	Nose Gear Box
NR	Rotor Speed
NOE	Nap of the Earth

GLOSSARY (cont)

NOM	.....	Nominal
NORM	.....	Normal
NP	.....	Engine Torque Speed
NSA	.....	Night Sensor Assembly
NU	.....	Nose Up
NVS FXD	.....	Night Vision Sensor Fixed
OAS	.....	Outside Air Sensor
ORT	.....	Optical Relay Tube
ORIDE	.....	Override
OUTBD	.....	Outboard
OVERTEMP	.....	Over Temperature
OVRD	.....	Override
OVSP	.....	Overspeed
PAM	.....	Pamphlet
PAS	.....	Pressurized Air System
PEN	.....	Penetration
PEU	.....	PNVS Electronic Unit
PLRT	.....	Polarity
PLT	.....	Pilot
PMP	.....	Pump
PMSL	.....	Pilot Missile
PNL	.....	Panel
PNVS	.....	Pilot Night Vision Sensor
POS	.....	Position
PRF	.....	Pulse Repetition Frequency
PRI	.....	Primary
PRKT	.....	Pilot Rocket

GLOSSARY (cont)

PROG	.....	Program
PSI	.....	Pounds Per Square Inch
PSIG	.....	Pounds Square Inch of Gage
PTO	.....	Power Takeoff
PTT	.....	Press to Talk
PWR	.....	Power
PYLN	.....	Pylon
PYL	.....	Pylon
QTY	.....	Quantity
R	.....	Right
RADALT	.....	Radar Altimeter
RAI	.....	Remote Altitude Indicator
RAM	.....	Random Access Memory
RCCB	.....	Remote Control Circuit Breaker
RCD	.....	Record
RCDR	.....	Recorder
RC/MC	.....	Rounds Counter/Magazine Controller
RCVR	.....	Receiver
RCP	.....	Rocket Control Panel
RDR	.....	Radar
REC	.....	Record
RECT	.....	Rectifier
REF	.....	Reference
REM	.....	Remaining
RES	.....	Reservoir/Reserve
RFAB	.....	Right Forward Avionics Bay
RH	.....	Right-Hand
RHE	.....	Remote HELLFIRE Electronics

GLOSSARY (cont)

RHI	Remote Heading Indicator
RICE	Rotor Anti-ice
RIPL	Ripple
RKT	Rocket
RMI	Remote Magnetic Indicator
RNDS	Rounds
RPM	Revolutions Per Minute
RT	Right
RTA	Receiver/Transmit Antenna
RTCL	Reticule
RTR	Rotor
SAI	Standby Attitude Indicator
SCU	Stabilization Control Unit
SDC	Signal Data Converter
SDCC	Signal Data Converter Computer
SDD	Selectable Digital Display
SEC	Secondary
SEL	Select
SEU	Sight Electronics Unit
SF	Station Fail
SIM	Simulated
SNSR	Sensor
SOL	Solenoid
SPAD	Shear Pin Activated Decoupler
SPD	Speed
SRCH	Search
SSU	Sight Surveying Unit
ST	Store Target/Stores

GLOSSARY (cont)

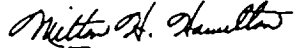
STAB	Stabilator
STAT	Status
STBY	Standby
STK	Stick
SW	Switch
SYM	Symbol
SYMGEN	Symbol Generator
TADS	Target Acquisition Designation Sight
TBD	To Be Determined
TCB	Turret Control Box
TEMP	Temperature
TEU	TADS Electronics Unit
TF	Tracker Fail
TGT	Turbine Gas Temperature
THROT	Throttle
TK	Talk/ Tank
TM	Technical Manual
TMFL	Time of Flight
TNK	Tank
■ TOD	Time Of Day
TPS	TADS Power Supply
TR	Transformer Rectifier/ Tailrotor
TRIG	Trigger
TSEC	Time Second
TST	Test
TV	Television
TWHL	Tail Wheel
UHF	Ultra High Frequency

GLOSSARY (cont)

UTIL	Utility
UPDT	Update
VAB	Variable Action Button
VAC	Volts Alternating Current
VEL	Velocity
VDC	Volts Direct Current
VDU	Video Display Unit
VEL	Velocity
VHF	Very High Frequency
VIB	Vibration
VID	Video
VLV	Valve
VSI	Vertical Situation Indicator
VSWR	Voltage Standing Wave Ratio
WAS	Weapon Action Switch
WFOV	Wide Field of View
WHT	White
WPN	Weapon
WPR	Wiper
WRN	Warning
WSHLD	Windshield
XDCR	Transducer
XFEED	Crossfeed
XFER	Transfer
XFMR	Transformer
XFR	Transfer
XMSN	Transmission
XMTR	Transmitter
ZFOV	Zoom Field of View

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Subject DA Form 2028

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2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT-93
8. **Pub no:** 55-2840-229-23
9. **Pub Title:** TM
10. **Publication Date:** 04-JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text:**

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TM 1-1520-238-T-2

PUBLICATION DATE

30 December 1998

PUBLICATION TITLE

Troubleshooting Manual for AH-64

BE EXACT PIN-POINT WHERE IT IS

IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
6	2-1 a		
B1		4-3	

In line 6 of paragraph 2-1a the manual states the engine has 6 cylinders. The engine on my set only has 4 cylinders. Change the manual to show 4 cylinders.

Callout 16 in figure 4-3 is pointed at a bolt. In key to figure 4-3, item 16 is called a shim. Please correct one or the other

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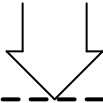
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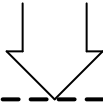
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TEAR ALONG PERFORATED LINE



THEN ... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

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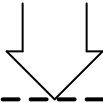
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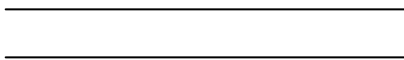
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TEAR ALONG PERFORATED LINE

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	C
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