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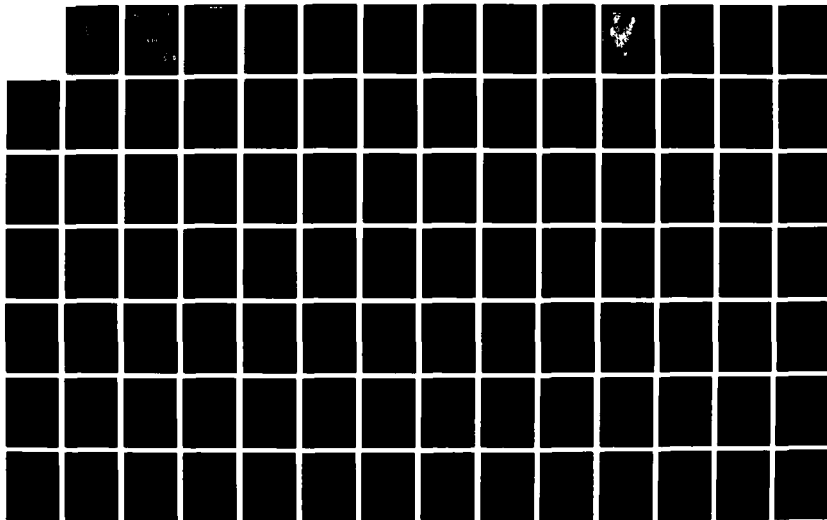
TSAR (THEATER SIMULATION OF AIRBASE RESOURCES) ABDR
(AIRCRAFT BATTLE DATA) (U) ORLANDO TECHNOLOGY INC
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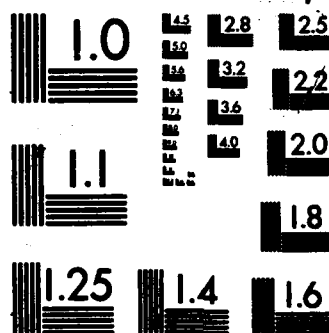
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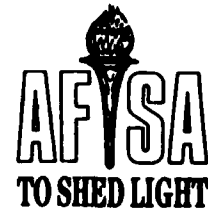
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**Air Force Center
for
Studies & Analyses**



AD-A182 425

**TSAR
ABDR DATABASE
DICTIONARY**

A-10

With Off-Equipment/Intermediate Repair

24 APRIL 1987

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Prepared for
TACTICAL SUPPORT DIVISION
Air Force Center for Studies and Analyses
Pentagon, Washington, D.C. 20330-5420

Prepared by
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19. ABSTRACT (Continue on reverse if necessary and identify by block number) A significant problem for analysts and simulation model users is the availability of complete documentation of input databases. The Theater Simulation of Airbase Resources (TSAR) model is no exception. This TSAR document provides battle damage repair tasks and repair resource requirements. It lists initial stocks and status of the following airbase resources: aircraft, personnel, support equipment, spare parts and trap. A cross reference index of tasks, personnel, equipment and spare parts is also provided. <i>Keywords: Airbase resources, A-10 aircraft, ABDR (Aircraft Battle Damage Repair)</i>					
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PREFACE

The Assistant Chief of Staff for Studies and Analyses (AF/SA) has a continuing requirement for investigations into advanced fighter aircraft operations and support topics. A recurring need involves studies of readiness, survivability, and sustainability. Several methodologies have been used over the years. The current state-of-the-art techniques for these purposes are two Monte Carlo simulation models developed in the late 1970s by The Rand Corporation, Theater Simulation of Airbase Resources (TSAR) and TSAR Inputs using Airbase Damage Assessment (TSARINA). These models, like other simulation models, are built to study and analyze a system's processes. In this case the "system" is the collection of resources called an airbase and the process of interest is the interaction of those resources resulting in the generation of aircraft sorties. A system's problem can often be described and studied through "what if" excursions about a defined base case. The base case and the excursions of interest could be viewed as related problem scenarios. In both TSAR and TSARINA the scenario to be studied is modeled through the database. Therefore the analyst must know the logic embodied in the program structure, but most importantly, completely understand the scenario as described in an extensive database. The differences between scenarios involving the same aircraft type may only involve changing several cards, but building the components of the baseline database and/or acquiring sufficient understanding of what is contained in such a database are significant tasks. Hence the need for a disciplined development and adequate documentation. Given that a baseline database exists, the modeler must replace, merge, or modify various database segments to fashion a new scenario or to specify excursions from the base case. Alternative data segments which are clearly documented are therefore often needed. The availability and limited documentation of databases for both TSAR and TSARINA impose practical limitations to their usefulness.

→ The author of TSAR and TSARINA, Don Emerson, has provided analysts with extremely powerful tools for tactical support analysis. They are very well written and documented. The real problem for the analyst is locating sources of data to make use of the full richness inherent in the models. It was clear to those of us at the Air Force Center for Studies and Analyses (AFCSA) that if our results and observations were going to be credible, the databases and assumptions they embodied would need to be documented. Our intent was to collect selected databases within AFCSA to support current and projected studies. Quality documentation of these databases was necessary to permit analysts to understand the assumptions, limitations, and level of detail that was being portrayed. The resultant availability of databases and standardization of documentation will not only directly support in-house investigations but will also facilitate studies across the analysis community. Because of the scope of such a task, a contract was let to ensure its timely accomplishment.

Orlando Technology, Inc., was awarded a competitive contract for TSAR/TSARINA support tasks. The tasks focus around the model databases and database segments. They began with the existing model databases and updated them based on the most current government data available. These databases were to be documented in three ways. The first is a dictionary for each database and separate database segment, which translates the database codes to their English equivalents. Secondly, graphic network models are needed for those portions of the database which model decision logic networks for repair tasks. And finally,

an index is needed to cross-reference the database segments, dictionary, and the network models to facilitate their use by modelers and analysts. This document provides information needed to modify TSAR 3-3 cards, the 15-2 card, selected 21 cards and the 34 card and the addition and/or deletion of selected 5 cards, 8-1 cards, and 23-1 cards. The long term intent is to build on these basic databases by the use of a database management system to facilitate changes, updates, and analysis scenario development. As the models mature and the user community grows, the model databases will continue to evolve and grow in depth and breadth. This document should be viewed as an advanced prototype which will hopefully continue to mature and increase in usefulness.

Our hope is that you will wear out this document through constant useage. Pass along your comments and criticisms so that future improvements can incorporate the user community's collective insights.

SALVATORE R. BOSCO, Lt Col, USAF
AFCSA/SAGP
Washington, DC 20330-5420

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**A-10 TSAR ABRD DATA BASE DOCUMENTATION
(WITH OFF-EQUIPMENT/INTERMEDIATE REPAIR)**

1 MAY 1987

**PREPARED FOR
AIR FORCE CENTER FOR STUDIES AND ANALYSES
PENTAGON, WASHINGTON D.C. 20330-5420**

**PREPARED BY
ORLANDO TECHNOLOGY, INC.
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A - A-10 TSAR ABDR Database	
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I. Purpose

This database segment was developed as a supplement to the April 1986 A-10 TSAR database and represents Aircraft Battle Damage Repair (ABDR) tasks which will be performed on the A-10 aircraft in a wartime environment. The revised A-10 TSAR Database is included as Appendix A.

II. Background

The task networks in this database segment were developed from Table D-2, "A-10A ABDR Data Base", and Table D-4, "Non-standard Repairs", of the ASD/XRM "Aircraft Combat Damage Repair Estimating Procedures" Phase III Report, May 1985.

Those task networks which do not reflect ABDR skills, such as simply removing and replacing a unit, were not included in the database segment. When R & R tasks are an option, they are included. Since TSAR will only initiate an ABDR task if the aircraft is damaged and can be repaired, those tasks, for which repair is not feasible or the damage sustained is minimal were not included in the database segment. The skill codes and manhours from the referenced report were converted to TSAR personnel types, shops and TTUs.

III. General Description

A. ABDR Root Task

The distinction that TSAR makes between a battle damage task and an airbase damaged aircraft task does not impact how the aircraft is repaired. It is, however, necessary to distinguish between damage probabilities for different parts of the aircraft when damage is sustained in the air vice on the ground. Damage probabilities for each of 18 designated aircraft zones are based on our estimates. No experimental or formal data are available. We provided users the flexibility of entering damage probabilities separately for either airbase attack or for mission damage. Users are invited to develop damage probability data.

The referenced report includes ABDR tasks that are the result of damaged caused by both KE and HE weapons, but since what caused the damage is not a function of the repair capability, the database provides a common repair network for both types of damage.

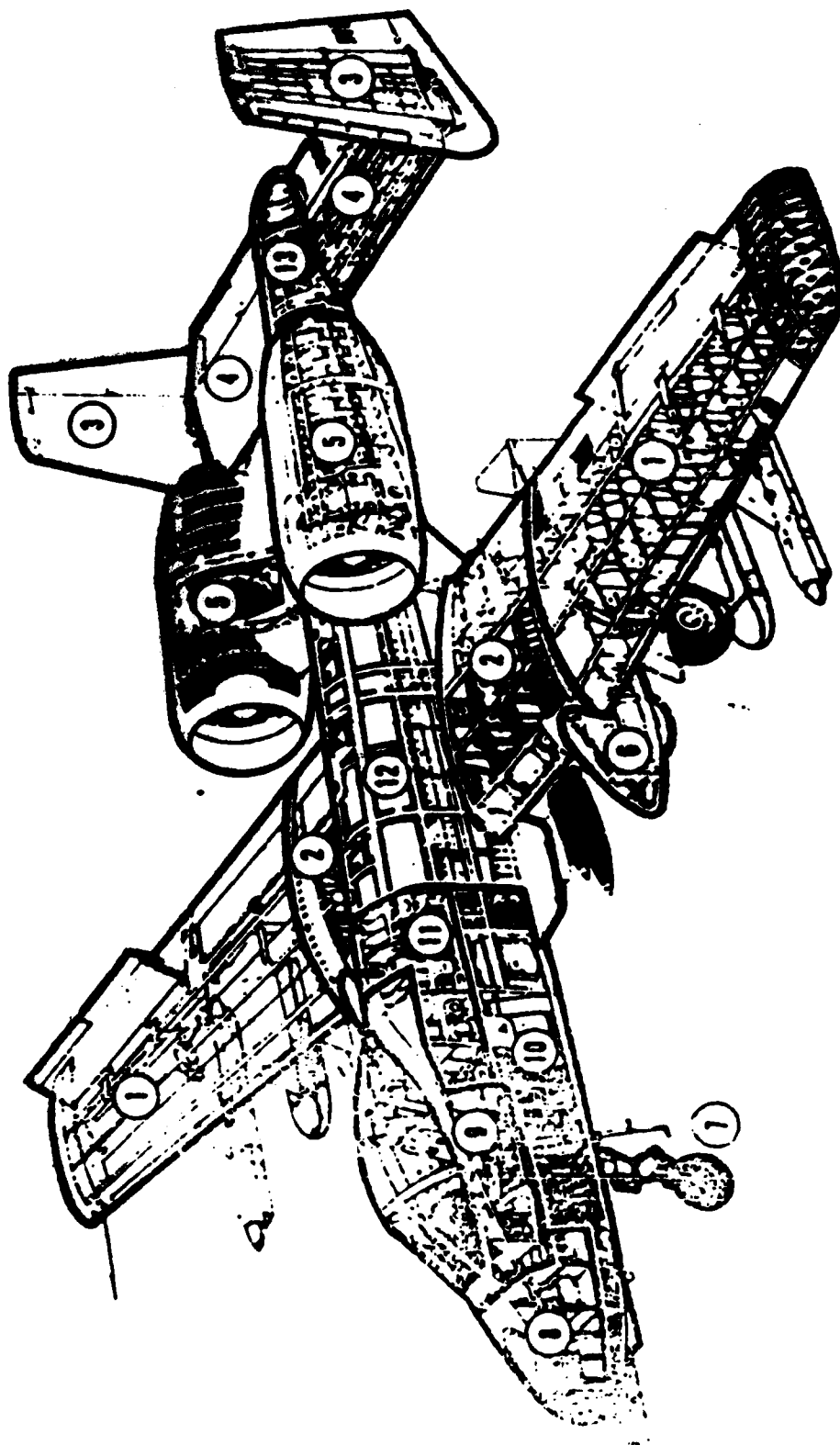
B. ABDR Zone Root Tasks

All ABDR tasks in a given zone are preceded by a zone root task whose probability is assigned by the user. It is assumed that damage to all zones is mutually-exclusive. Since the ABDR assessment time is an important factor in determining the total repair time and is affected by personal experience and training, assessment times are included in subtasks for each zone. The ABDR assessment tasks were developed utilizing the damage assessment times and the A-10 zone designations, Figure 1, extracted from the referenced report. Provision was made for assessors by including two ABDR (TSAR type 41) personnel in each zonal task.

C. ABDR Task Networks

The database segment contains 100 non-mutually exclusive task networks. Typical ABDR tasks represented are install a 13 inch splice patch, install a 4,5,10,18,20 or 24 inch scab patch, deactivate a redundant system, repair 10,25 or 50 wires, and remove and replace unit. Typical A-10 battle damage represented in this database segment are 1 to 12 inch diameter holes, cut wire bundles, distorted or twisted components, shattered or severed components and perforated or ruptured components. The task networks include work performed by flight line, airframe repair, electrical, environmental, pneudraulic, engine, heavy repair, fuel and ABDR assessment personnel.

A-10A ZONE DESIGNATION



ZONE	DESCRIPTION	ZONE	DESCRIPTION
1	WING OUTER SECTION	8	NOSE SECTION
2	WING INNER SECTION	9	COCKPIT
3	VERTICAL STABILIZER	10	GUN SYSTEM
4	HORIZONTAL STABILIZER	11	AVIONICS BAY
5	ENGINE NACELLE	12	CENTER FUSELAGE
6	MAIN LANDING GEAR POD	13	AFT FUSELAGE
7	NOSE LANDING GEAR		

Figure 1.

IV. Database Modifications

The inclusion of the ABDR database segment requires the modification of the 3-3 card, the 15-2 card, selected 21 cards and the 34 card and the addition and/or deletion of selected 5 cards, 8-1 cards, and 23-1 cards. A listing of the changes is included in Appendix B.

A. 3-3 Card

The "NPART" variable was increased to 376 to accommodate the parts added to the database.

B. 15-2 Card

The "First" and "Last" "Battle Damage Task" and "Airbase Damage Aircraft Tasks" were changed to reflect the new ABDR tasks.

C. 21 Cards

To accommodate the number of personnel required to perform ABDR tasks the "minimum shop size" for selected shops was increased.

Shop	Personnel Type	Number of Personnel
1	1	6
3	83	3
4	84	3
6	6	4
	86	3
7	87	4
8	88	3
16	79	3
17	17	6
	47	6
	67	6
	70	6
23	23	6

D. 34 Card

The "Last Part No." was increased to 400 to accommodate the parts added to the database.

E. 5 Cards

The current ABDR tasks, 711-726, were deleted and the new ABDR tasks, 975-1221, were added to the database.

F. 8-1 Cards

Additional part repair cards were added to accommodate the parts added to the database.

G. 23-1 Cards

Additional part supply cards were added to accommodate the parts added to the database.

V. Application

The inclusion of this database segment in the standard TSAR A-10 database will enable the user to determine the effect of ABDR training and experience on sortie production. To capture the effect of ABDR training on assessment or repair rates, the user need only to modify the task time required to perform the ABDR task and observe the effect on sortie generation.

VI. Corrections to Current Database

During the testing of the database a few problems were discovered and corrected in the current database. These changes were included in the ABDR database and documented in Appendix C.

VII. Database Documentation

The changes to the current A-10 Database documentation are included as Appendix D.

APPENDIX A

A-10 TSAR ABRD DATABASE

[illegible]

COMBAT FACTORS APPLIED TO MAINT NETWORK TASK TIMES
CREATED: NOVEMBER 1983 --> RAND CORPORATION
MODIFIED/DOCUMENTED: APRIL 1986 --> ORLANDO TECHNOLOGY, INC.
INCLUSION OF ABDR DATABASE SEGMENT: MAY 1987 -- ORLANDO TECHNOLOGY, INC.

A-1

5 109 1	240 1 1	-36	111	730	24	100	130**	Q13AHAR
5 110 1	00 11 1	-27				100	Q13BHA	
5 111 1	34 00 21 1						13A**	
5 112 21	00 00 25 3	1	114	113	43			
5 113 21	100 25 3	-50	115	118				
5 114 21	14 18 2	-13	116					
5 115 21	740 2 1	-7	117					
5 116 21	280 1 1	-30						
5 117 21	320 21 2	3	120	119				
5 118 21	400 1 3	-6		122				
5 119 21	1320 6 2	100	121	122				
5 120 21	380 1 2	-62	122	122				
5 121 21	400 21 2	3	123	123				
5 122 21	00 00	14 100	124					
5 123 21	35 00	14 -27				100 88	Q13A00	
5 124 21	36 00	14 -5				100	Q13ADO	
5 125 1	00 00	5	127	126	46		138**	
5 126 1	280 1 2	-63	128	129				
5 127 1	34 6 2	-37	131	130				
5 128 1	320 21 2	-8	132	133				
5 129 1	400 1 3	100	133	133				
5 130 1	1120 6 2	-75	134	134				
5 131 1	380 1 2	-8						
5 132 1	1320 21 2	91						
5 133 1	00 00	9						
5 134 1	00 00	17	137	136	77		Q13BDO	
5 135 3	00 00	-70	138	139				
5 136 3	340 3 2	-30	140	142				
5 137 3	93 6 2	-29	141	142				
5 138 3	1140 3 2	-14		143				
5 139 3	1240 3 2	-29						
5 140 3	520 6 1	-29						
5 141 3	280 1 2	60						
5 142 3	00 00	14 60						
5 143 3	00 00	27	146	145	72		Q13C00	
5 144 3	00 00	12	147					
5 145 3	600 3 2	4	148	151				
5 146 3	400 3 1	-48	149					
5 147 3	380 1 2	-16	150					
5 148 3	64 3 2	-35	152					
5 149 3	600 3 1	-79	153					
5 150 3	320 6 2	-14	154					
5 151 3	500 3 1	100	155					
5 152 3	1120 6 2	14 4-10	156					
5 153 3	00 00	14 4-10						
5 154 3	00 00	14 4-35	159	158	71		Q13DAO	
5 155 3	00 00	17	160				Q13DFO	
5 156 3	00 00	15 4100	161				Q13DFA	
5 157 3	00 00	-62	162					
5 158 3	340 3 1	-21	163					
5 159 3	63 1 2	80	164					
5 160 3	660 3 2	15 4-40	166					
5 161 3	1120 6 1	15 4-20	167					
5 162 3	00 00	11 14	169					
5 163 3	00 00	11 100	170					
5 164 3	00 00	-33						
5 165 3	00 00	-67						
5 166 3	340 9 2	9	173					
5 167 3	920 3 1	36	174					
5 168 6	00 00	-18	175					
5 169 6	60 18 1							
5 170 6	320 6 2							
5 171 3	00 00							
5 172 3	240 3 1							
5 173 3	480 21 1							
5 174 3	740 3 2							

5 241 21	00	9 2	2	243	242	63	14N**
5 242 21	100	1 2	4	244			
5 243 21	240	1 2	72	245			
5 244 21	240	21 2	4	246	251		
5 245 21	240	2 1	-57	247			
5 246 21	420	6 1	-7	248			
5 247 21	540	2 1	-7	249			
5 248 21	180	1 1	-2	250			
5 249 21	320	21 2	-3				
5 250 21	160	18 1	-25				
5 251 21	520	6 1	-39	252	254		Q14MAO
5 252 21	280	1 1	-4	253	254		Q14MCA
5 253 21	520	21 2	-22		255		Q14NCB
5 254 21	00	00 21 2	100	256			230**
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5 256 21	61	00	4				
5 257 21	62	00	4				
5 258 7	00		-12	258	259	102	
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5 261 7	01	7 5	1	263	262		Q23000
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5 263 7	3200	7 4	-6	265			
5 264 7	1500	7 2	-1				
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5 272 7	200	21 2	-30				
5 273 7	1000	7 2	-8	275			
5 274 7	380	19 1	-6	276			
5 275 7	200	2 1	-1	277			
5 276 7	100	1 1	-16	278			
5 277 7	200	3 1	100				
5 278 7	100	21 1	9	281	280		
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5 280 7	00		9	283			
5 281 7	00		9	284			
5 282 7	00		9	285			
5 283 7	00		9	286			
5 284 7	00		9	287			
5 285 7	00		9	288			
5 286 7	00		9	289			
5 287 7	71	00	9	290			
5 288 7	72	00	9	291			
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5 291 7	75	00	9	294			
5 292 7	76	00	9	295			
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5 295 7	79	00	9	298			
5 296 7	80	00	9	299			
5 297 7	81	00	9	300			
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5 299 7	83	00	9				
5 300 7	84	00	9				
5 301 7	00		57	303	302	104	24A**
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5 305 7	100	18 2	11	307	308		
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5 588 13	193	00	13 2	-23	592	591	93	100	0	71Z**	071ZAO
5 589 13	194	00	13 2	-8	593			100	0		071Z80
5 590 13	195	00	13 2	-18				100	0		071ZDO
5 591 13	196	00	13 2	50		595	78	100	0	72A**	
5 592 13	781 13 2	781	13 2					100	0		072AA0
5 593 13	197	00	13 1	22	598	597	59	100	0	74A**	074A00
5 594 13	591 16 2	591	16 2	-29	599			100	0		074AA0
5 595 13	340 16 2	340	16 2	-23	600			100	0		074AB0
5 596 16	198	300	16 2	-13				100	0	74C**	074AC0
5 597 16	200	00	16 2	100	603	602	82		0		
5 598 16	201	00	16 2	7	604				0		
5 600 16	202	00	16 2	-98	605	606			0		
5 601 10	240 10 2	240	10 2	-2					0		
5 602 10	240 10 2	240	10 2	13	607			100	0		074C00
5 603 10	601 10 2	601	10 2	-54	608			100	0		074CA0
5 604 10	100 18 1	100	18 1	-10				100	0	74D**	074C80
5 605 10	202	00		73		610	73		1		
5 606 10	203	00	10 2	-87	611	613			0		
5 607 10	204	00	10 2	-13	612				0		
5 608 10	560 20 1	560	20 1	-15	614			100	0		074D00
5 609 20	681 20 1	681	20 1	-23	615			100	0		074DAD
5 610 20	740 20 2	740	20 2			617	140	100	0	74E**	074DC0
5 611 20	205	00		14	618				0		
5 612 20	206	00		11		619			0		074E00
5 613 20	207	00		11	620			100	0		074EAO
5 614 20	1400 20 1	1400	20 1	-11	621			100	20		074E80
5 615 20	920 16 2	920	16 2	-50	624	623	108	100	0	74F**	074FA0
5 616 16	208	00	16 2	-50		626	98	100	0	75A**	074F80
5 617 16	209	00	16 2	1	627				0		
5 618 16	210	00	16 2	100	628				0		
5 619 16	211	00	16 2	35	629				0		
5 620 16	212	00	16 2	21	630	632			0		
5 621 16	1080 16 2	1080	16 2	-92	631				0		
5 622 16	211	00	16 1	-7	633				0		
5 623 16	212	00		-1	634				0		075AA0
5 624 16	213	00		-14	635				0		075AB0
5 625 17	214	00		-4	636				0		075AD0
5 626 17	215	00		-7	637				0		075AF0
5 627 17	216	00		-17					0		075ALO
5 628 17	217	00									
5 629 17	218	00									
5 630 17	219	00									
5 631 17	220	00									
5 632 17	221	00									
5 633 17	222	00									
5 634 17	223	00									
5 635 17	224	00									
5 636 17	225	00									

5 803	7	10	4	1	1000	804	976	1	OXYGEN MASK	1	ROOT MISSION BDR TASK	1	*** ROOT
5 804	7	10	4	1	1000	805	1003	1	AIR CYCLE MACHINE	1	ABDR ASSESSMENT TASK ZONE 1	1	
5 805	7	10	4	1	1000		1135	1	WATER COALESCER	1	ABDR ASSESSMENT TASK ZONE 2	1	
5 806	17	30	17	2			1053	1	50 HR/36000 RDS GUN BARREL TIME CHANGE	1	ABDR ASSESSMENT TASK ZONE 3	1	
5 809	17	10	17	2			1080	1	5 HR/3000 RDS GUN LUBE INSPECT	1	ABDR ASSESSMENT TASK ZONE 4	1	
5 810	17	20	17	2			1189	1	10 HR/6000 RDS GUN INSPECT	1	ABDR ASSESSMENT TASK ZONE 5	1	
5 811	17	480	17	4			1103	1	30 HR/25000 RDS GUN INSPECT	1	ABDR ASSESSMENT TASK ZONE 6	1	
5 812	4	40	4	1			1123	1	200 HR OXYGEN SYS PURGE	1	ABDR ASSESSMENT TASK ZONE 7	1	
5 975	2	30	41	2			1128	1	1	1	ABDR ASSESSMENT TASK ZONE 8	1	
5 976	2	30	41	2			1206	1	1	1	ABDR ASSESSMENT TASK ZONE 9	1	
5 977	2	60	41	2			1221	1	1	1	ABDR ASSESSMENT TASK ZONE 10	1	
5 978	2	30	41	2			1042	1	1	1	ABDR ASSESSMENT TASK ZONE 11	1	
5 979	2	30	41	2			1173	1	1	1	ABDR ASSESSMENT TASK ZONE 12	1	
5 980	2	120	41	2			1152	1	1	1	ABDR ASSESSMENT TASK ZONE 13	1	
5 981	2	30	41	2			990	1	1	1	ROOT AIRBASE ATTACK BDR TASK	1	
5 982	2	30	41	2			1003	1	1	1	ABDR ASSESSMENT TASK ZONE 1	1	
5 983	2	30	41	2			1135	1	1	1	ABDR ASSESSMENT TASK ZONE 2	1	
5 984	2	180	41	2			1053	1	1	1	ABDR ASSESSMENT TASK ZONE 3	1	
5 985	2	180	41	2			1080	1	1	1	ABDR ASSESSMENT TASK ZONE 4	1	
5 986	2	120	41	2			1189	1	1	1	ABDR ASSESSMENT TASK ZONE 5	1	
5 987	2	120	41	2			1103	1	1	1	ABDR ASSESSMENT TASK ZONE 6	1	
5 988	2	120	41	2			1123	1	1	1	ABDR ASSESSMENT TASK ZONE 7	1	
5 989	2	60	41	2			1206	1	1	1	ABDR ASSESSMENT TASK ZONE 8	1	
5 990	2	30	41	2			1221	1	1	1	ABDR ASSESSMENT TASK ZONE 9	1	
5 991	2	30	41	2			1007	1	1	1	ABDR ASSESSMENT TASK ZONE 10	1	
5 992	2	30	41	2			1005	1	1	1	ABDR ASSESSMENT TASK ZONE 11	1	
5 993	2	30	41	2			1006	1	1	1	ABDR ASSESSMENT TASK ZONE 12	1	
5 994	2	30	41	2			1012	1	1	1	ABDR ASSESSMENT TASK ZONE 13	1	
5 995	2	30	41	2			1011	1	1	1	DAMAGE TO WUC 14CAO	1	
5 996	2	30	41	2			1010	1	1	1	INSTALL 5 INCH SCAB PATCH	1	
5 997	2	30	41	2			1012	1	1	1	INSTALL 10 INCH SCAB PATCH	1	
5 998	2	30	41	2			1011	1	1	1	R&R WUC 14CAO	1	
5 999	2	180	41	2			1010	1	1	1	DAMAGE TO WUC 14CBA	1	
5 1000	2	180	41	2			1015	1	1	1	SUBROOT	1	
5 1001	2	90	41	2			1014	1	1	1	INSTALL SPLICE PATCH	1	
5 1002	2	90	41	2			1018	1	1	1	DEACTIVATE REDUNDANT SYSTEM	1	
5 1003	2	60	41	2			1017	1	1	1	R&R WUC 14CBA	1	
5 1004	2	22	21	2			1021	1	1	1	DAMAGED TO WUC 75CCO	1	
5 1005	2	22	21	2			1020	1	1	1	INSTALL 24 INCH SCAB PATCH	1	
5 1006	2	355	84	1	2		1024	1	1	1	R&R WUC 75CCO	1	
5 1007	2						1023	1	1	1	DAMAGE TO WUC 45AFD	1	
5 1008	2						1027	1	1	1	R&R WUC 45AFD	1	
5 1009	2						1026	1	1	1	DAMAGE TO WUC 45A66	1	
5 1010	2						1031	1	1	1	R&R WUC 45A66	1	
5 1011	2						1029	1	1	1	DAMAGE TO WUC 14KAO	1	
5 1012	2						1030	1	1	1	R&R WUC 14KAO	1	
5 1013	2						1032	1	1	1	DAMAGE TO WUC 11DKA	1	
5 1014	2						1033	1	1	1	INSTALL SPLICE PATCH	1	
5 1015	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1016	2							1	1	1	DAMAGE TO WUC 11DKB	1	
5 1017	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1018	2							1	1	1	DAMAGE TO WUC 11DKC	1	
5 1019	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1020	2							1	1	1	DAMAGE TO WUC 11DKD	1	
5 1021	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1022	2							1	1	1	DAMAGE TO WUC 11DKD	1	
5 1023	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1024	2							1	1	1	DAMAGE TO WUC 11DKD	1	
5 1025	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1026	2							1	1	1	DAMAGE TO WUC 11DKD	1	
5 1027	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1028	2							1	1	1	DAMAGE TO WUC 11DKD	1	
5 1029	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1030	2							1	1	1	DAMAGE TO WUC 11DKD	1	
5 1031	2							1	1	1	INSTALL SPLICE PATCH	1	
5 1032	2							1	1	1	DAMAGE TO WUC 11DKD	1	
5 1033	2							1	1	1	INSTALL SPLICE PATCH	1	

51033	2	320	21	2	870	1034	1	INSTALL 24 INCH SCAB	PATCH WUC 11DMM
51034	2	40	1	2	870	1035	1	DEACTIVATE REDUNDANT SYSTEM	WUC 11DMM
51035	2	120	21	2	870	1036	1	INSTALL 24 INCH SCAB	PATCH WUC 11DMM
51036	2				870	1040	1	DAMAGE TO WUC 11DMS	
51037	2	80	21	2	870	1041	1	INSTALL SPLICE PATCH	
51038	2	160	21	2	-330	1042	1	INSTALL SPLICE PATCH	
51039	2	360	21	2	-330	1043	1	INSTALL 18 INCH SCAB	PATCH WUC 11DLO
51040	2	100	21	2	870	1044	1	DUMMY	
51041	2				1000	1046	1	DAMAGE TO WIRE BUNDLE	WUC 42F88
51042	2				120	1045	1	DAMAGE 10 WIRES/SMALL WIRE BUNDLE	
51043	2	16	3	2	-340	1049	1	REPAIR 10 WIRES	
51044	2	368	160	3	-900	1047	1	R&R SMALL WIRE BUNDLE	WUC 42F88
51045	2				-100	1048	1	DAMAGE TO 25 WIRE/MEDIUM WIRE BUNDLE	
51046	2	46	3	1	-330	1051	1	REPAIR 25 WIRES	
51047	2	368	320	3	-800	1050	1	R&R MEDIUM WIRE BUNDLE	WUC 42F88
51048	2				-200	1051	1	DAMAGE TO LARGE WIRE BUNDLE/50 WIRES	
51049	2	240	3	2	-330	1054	1	REPAIR 50 WIRES	
51050	2	368	640	3	-500	1055	1	R&R LARGE WIRE BUNDLE	WUC 42F88
51051	2				-500	1056	1	DAMAGE TO WUC 45AFD	
51052	2				110	1057	1	DAMAGE TO WUC 45AG6	
51053	2				110	1061	1	INSTALL SPLICE PATCH	WUC 11ECA
51054	2	160	2	2	870	1062	1	DAMAGE TO WUC 11EC8	
51055	2				870	1063	1	INSTALL SPLICE PATCH	
51056	2	80	2	2	870	1064	1	INSTALL SPLICE PATCH	
51057	2	160	2	2	-340	1065	1	INSTALL 24 INCH SCAB	PATCH WUC 11ECC
51058	2	360	2	2	-330	1066	1	INSTALL 24 INCH SCAB	PATCH WUC 11ECD
51059	2	120	2	2	-330	1067	1	INSTALL 24 INCH SCAB	PATCH WUC 11ECE
51060	2	120	2	2	870	1068	1	INSTALL 18 INCH SCAB	PATCH WUC 11ECG
51061	2	120	2	2	870	1069	1	INSTALL 24 INCH SCAB	PATCH WUC 11ECH
51062	2	120	2	2	870	1070	1	DAMAGE TO WUC 11ECJ	
51063	2	100	2	2	870	1071	1	INSTALL SPLICE PATCH	
51064	2	120	2	2	870	1072	1	INSTALL SPLICE PATCH	
51065	2				870	1073	1	INSTALL SPLICE PATCH	
51066	2	80	2	2	-340	1074	1	DAMAGE TO WUC 14G8D	
51067	2	160	2	2	-330	1075	1	INSTALL SPLICE PATCH	
51068	2	360	2	2	-330	1076	1	INSTALL SPLICE PATCH	
51069	2	100	2	2	870	1081	1	INSTALL 18 INCH SCAB	PATCH WUC 11EEO
51070	2				260	1084	1	DAMAGE TO WUC 14G8D	
51071	2	22	21	1	-340	1082	1	DAMAGE TO WUC 14EAO	
51072	2	22	21	2	-330	1083	1	INSTALL 5 INCH SCAB	PATCH
51073	2	55	92	1	-330	1085	1	INSTALL 10 INCH SCAB	PATCH
51074	2				260	1086	1	R&R WUC 14G8D	
51075	2				-500	1089	1	DAMAGE TO WUC 14EBF	
51076	2	72	21	2	-500	1093	1	DAMAGE TO WUC 14EBG	
51077	2	40	1	2	-500	1094	1	SUBROOT	
51078	2	359	80	1	-500	1095	1	INSTALL SPLICE PATCH	
51079	2				-500	1096	1	DEACTIVATE REDUNDANT SYSTEM	
51080	2				-500	1097	1	INSTALL 18 INCH SCAB	PATCH WUC 11EAC
51081	2	22	21	1	-340	1098	1	INSTALL 18 INCH SCAB	PATCH WUC 11EAD
51082	2	22	21	2	-330	1099	1	INSTALL 24 INCH SCAB	PATCH WUC 11EAE
51083	2	49	94	1	-330	1101	1	DAMAGE TO WUC 14EBG	
51084	2				260	1102	1	SUBROOT	
51085	2				-500	1103	1	INSTALL SPLICE CABLE	
51086	2	72	21	2	-500	1104	1	DEACTIVATE REDUNDANT SYSTEM	
51087	2	40	1	2	-500	1105	1	R&R WUC 14EBG	
51088	2	357	152	1	-500	1106	1	DAMAGE TO WUC 11EAB	
51089	2	120	2	2	870	1107	1	INSTALL SPLICE PATCH	
51090	2	120	2	2	870	1108	1	INSTALL SPLICE PATCH	
51091	2	120	2	2	870	1109	1	INSTALL SPLICE PATCH	
51092	2	120	2	2	260	1110	1	INSTALL SPLICE PATCH	
51093	2				-500		1	INSTALL SPLICE PATCH	
51094	2	100	21	2	-500		1	INSTALL SPLICE PATCH	
51095	2	40	1	2	-500		1	INSTALL SPLICE PATCH	
51096	2	358	304	1	-500		1	INSTALL SPLICE PATCH	
51097	2	80	2	2	870		1	INSTALL SPLICE PATCH	
51098	2	160	2	2	-340		1	INSTALL SPLICE PATCH	
51099	2	360	2	2	-330		1	INSTALL SPLICE PATCH	
51100	2				-330		1	INSTALL SPLICE PATCH	

51101	2	360	2	2	870	1042	1	INSTALL SPLICE PATCH WUC 11EAA
51103	2	120	2	2	870	1104	1	INSTALL 24 INCH SCAB PATCH WUC 11DEA
51104	2	80	2	2	870	1105	1	INSTALL SPLICE PATCH WUC 11DED
51105	2	120	2	2	870	1106	1	INSTALL 24 INCH SCAB PATCH WUC 11DEE
51106	2	100	2	2	870	1107	1	INSTALL 18 INCH SCAB PATCH WUC 11DGO
51107	2				90	1110	1	DAMAGE TO WUC 13AAA
51108	2	22	21	2	-500	1109	1	INSTALL 10 INCH SCAB PATCH
51109	2	373	120	1	-500		1	R&R WUC 13AAA
51110	2				90	1113	1	DAMAGE TO WUC 13LAA
51111	2	16	6	1	-500	1112	1	INSTALL SPLICE PATCH
51112	2	353	108	6	-500		1	R&R WUC 13LAA
51113	2				90	1116	1	DAMAGE TO WUC 13LBO
51114	2	16	6	1	-500	1115	1	INSTALL SPLICE PATCH
51115	2	354	86	6	-500		1	R&R WUC 13LBO
51116	2				90	1119	1	DAMAGE TO WUC 13BAA
51117	2	22	21	2	-500	1118	1	INSTALL 10 INCH SCAB PATCH
51118	2	374	120	1	-500		1	R&R WUC 13BAA
51119	2				90	1042	1	DAMAGE TO WUC 13BAG
51120	2	22	21	2	-500	1121	1	INSTALL 10 INCH SCAB PATCH
51121	2	375	120	1	-500		1	R&R WUC 13BAG
51123	2				90	1124	1	DAMAGE TO WUC 13LAA
51124	2				90	1125	1	DAMAGE TO WUC 13LBO
51125	2				90	1126	1	DAMAGE TO WUC 13BAA
51126	2				90	1042	1	DAMAGE TO WUC 13BAG
51128	2	10	2	2	870	1129	1	INSTALL 18 INCH PATCH WUC 11ADA
51129	2	120	2	2	870	1130	1	INSTALL 18 INCH PATCH WUC 11ADB
51130	2	120	2	2	870	1131	1	INSTALL SPLICE PATCH WUC 11ADC
51131	2	120	2	2	870	1132	1	INSTALL SPLICE PATCH WUC 11ADE
51132	2	16	6	1	10	1042	1	INSTALL SPLICE PATCH WUC 51CDE
51135	2				120	1136	1	DAMAGE TO WUC 75COO
51136	2				110	1137	1	DAMAGE TO WUC 45AFD
51137	2				110	1138	1	DAMAGE TO WUC 45A66
51138	2				260	1139	1	DAMAGE TO WUC 14KAO
51139	2				260	1143	1	DAMAGE TO WUC 14NAO
51140	2				-340	1141	1	INSTALL 5 INCH SCAB PATCH
51141	2	22	21	1	-330	1142	1	INSTALL 10 INCH SCAB PATCH
51142	2	60	118	1	-330		1	R&R WUC 14NAO
51143	2				870	1147	1	DAMAGE TO WUC 11DAB
51144	2	80	2	2	-340	1145	1	INSTALL SPLICE PATCH
51145	2	160	2	2	-330	1146	1	INSTALL SPLICE PATCH
51146	2	360	2	2	-330		1	INSTALL SPLICE PATCH
51147	2	160	2	2	870	1148	1	INSTALL SPLICE PATCH WUC 11DAA
51148	2	320	2	2	870	1149	1	INSTALL 24 INCH SCAB PATCH WUC 11DAR
51149	2	120	2	2	870	1150	1	INSTALL 24 INCH SCAB PATCH WUC 11DAT
51150	2	120	2	2	870	1042	1	INSTALL 24 INCH SCAB PATCH WUC 11DAU
51152	2				60	1155	1	DAMAGE TO WUC 41BAH
51153	2	16	4	1	-500	1154	1	INSTALL SPLICE PATCH
51154	2	363	52	4	-500		1	R&R WUC 41BAH
51155	2				60	1158	1	DAMAGE TO WUC 41BAJ
51156	2	16	4	1	-500	1157	1	INSTALL SPLICE PATCH
51157	2	364	54	4	-500		1	R&R WUC 41BAJ
51158	2				60	1161	1	DAMAGE TO WUC 41BCD
51159	2	16	4	1	-500	1160	1	INSTALL SPLICE PATCH
51160	2	366	86	4	-500		1	R&R WUC 41BCD
51161	2				60	1164	1	DAMAGE TO WUC 41BFC
51162	2	16	4	1	-500	1163	1	INSTALL SPLICE PATCH
51163	2	367	80	4	-500		1	R&R WUC 41BFC
51164	2	120	2	2	870	1165	1	INSTALL 24 INCH SCAB PATCH WUC 11CFDA
51165	2	240	2	2	870	1166	1	INSTALL SPLICE PATCH WUC 11CDD
51166	2	240	2	2	870	1167	1	INSTALL SPLICE PATCH WUC 11CDB
51167	2	100	2	2	870	1168	1	INSTALL 18 INCH SCAB PATCH WUC 11CDE
51168	2	100	2	2	870	1169	1	INSTALL 18 INCH SCAB PATCH WUC 11CEO
51169	2	100	2	2	870	1042	1	INSTALL 18 INCH SCAB PATCH WUC 11CHO
51173	2				280	1176	1	DAMAGE TO WUC 46AAA
51174	2	240	23	2	-500	1175	1	DEACTIVATE SYSTEM
51175	2	370	1564	23	-500		1	R&R WUC 46AAA

51176	2	360	23 2	280	1179	1177	1	DAMAGE TO WUC 46ABA	
51177	2	371	300 23 3	-500	1178		1	DEACTIVATE SYSTEM	
51178	2			-500		1180	1	R&R WUC 46ABA	
51179	2			280	1182		1	DAMAGE TO WUC 46CAD	
51180	2	372	16 23 1	-500	1181		1	INSTALL SPLICE PATCH	
51181	2			870			1	R&R WUC 46CAD	
51182	2	156	23 4	870	1183		1	INSTALL 24 INCH SCAB PATCH WUC 11BDA	
51183	2	120	2 2	870	1184		1	INSTALL SPLICE PATCH WUC 11BDB	
51184	2	120	2 2	870	1185		1	INSTALL SPLICE PATCH WUC 008DD	
51185	2	80	23 2	870	1186		1	DEACTIVATE FUEL CELL WUC 11BDE	
51186	2	100	2 2	870	1187		1	INSTALL 18 INCH SCAB PATCH WUC 11BED	
51187	2	100	2 2	870	1042		1	INSTALL 18 INCH SCAB PATCH WUC 11BWO	
51189	2			170	1192	1190	1	DAMAGE TO WUC 23DGJ	
51190	2	16	7 1	-500	1191		1	INSTALL SPLICE PATCH	
51191	2	360	72 7 3	-500			1	R&R WUC 23DGJ	
51192	2			170	1195	1193	1	DAMAGE TO WUC 23DKG	
51193	2	16	7 1	-500	1194		1	INSTALL SPLICE PATCH	
51194	2	361	110 7 2	-500			1	R&R WUC 23DKG	
51195	2			170	1198	1196	1	DAMAGE TO WUC 23JBU	
51197	2	362	40 7 1	-500	1197		1	INSTALL SPLICE PATCH	
51198	2	100	21 2	870			1	R&R WUC 23JBU	
51199	2	120	21 2	870	1199		1	INSTALL 18 INCH SCAB PATCH WUC 11FBA	
51200	2	120	21 2	870	1200		1	INSTALL 24 INCH SCAB PATCH WUC 11FBB	
51201	2	100	21 2	870	1201		1	INSTALL 24 INCH SCAB PATCH WUC 11FBC	
51202	2	80	21 2	870	1202		1	INSTALL 18 INCH SCAB PATCH WUC 11FBD	
51203	2	120	21 2	870	1203		1	INSTALL SPLICE PATCH WUC 11FBF	
51206	2			870	1042	1207	1	INSTALL 18 INCH SCAB PATCH WUC 11FCO	
51207	2	60	2 2	870	1208		1	DAMAGE TO WUC 11AFB	
51208	2	352	150 1 3	-500			1	INSTALL 4 INCH SCAB PATCH	
51209	2			870	1212	1210	1	DAMAGE TO WUC 11AFC	
51210	2	60	2 2	-500	1211		1	INSTALL 4 INCH SCAB PATCH	
51211	2	2	150 1 3	-500			1	R&R WUC 11AFC	
51212	2	120	2 2	870	1213		1	INSTALL 18 INCH SCAB PATCH WUC 11ARO	
51213	2	28	1 2	30	1214		1	INSTALL 4 INCH SCAB PATCH WUC 12AAK	
51214	2			30	1217	1215	1	DAMAGE TO WUC 12GAO	
51215	2	60	21 2	-500	1216		1	INSTALL 4 INCH SCAB PATCH	
51216	2	376	224 1 2	-500			1	R&R WUC 12GAO	
51217	2			60	1042	1218	1	DAMAGE TO WUC 418BE	
51218	2	16	4 1	-500	1219		1	INSTALL SPLICE PATCH	
51219	2	365	28 4 2	-500			1	R&R WUC 418BE	
51221	2	34	1 2	30	1042		1	INSTALL 4 INCH SCAB PATCH WUC 12BAO	
7 1	1	769	25	32	89	41	175		43
7 1	63	67	73	82	29	92	85	54	14
7 1	109	500	112	125	36	135	20	106	60
7 1	157	18	165	168	8	171	13	144	37
7 1	192	81	209	217	28	234	22	179	37
7 1	258	509	301	312	34	318	61	241	56
7 1	338	7	340	343	87	350	8	334	24
7 1	358	26	367	373	63	383	61	355	28
7 1	410	46	418	420	36	429	53	395	58
7 1	441	53	448	457	26	464	55	435	23
7 1	488	6	495	502	139	518	47	480	23
7 1	534	26	539	543	30	545	24	524	79
7 1	560	200	565	568	59	571	137	556	14
7 1	579	200	585	588	64	590	38	576	43
7 1	596	141	601	609	36	616	172	594	8
7 1	625	1101	643	653	227	664	15	622	36
7 1	675	179	684	686	37	688	11	668	111
8 1	2	17	700	82	3	17	200		
8 1	4	17	300	82	5	17	160	82	2
8 1	6	17	1620	82	7	17	560	82	1
8 1	8	17	2340	82	9	17	3460	82	1
8 1	10	17	500	82	11	17	400	82	1
8 1	12	2	260	82	13	2	260	82	1
8 1	14	2	400	82	15	2	400	82	1

8	1	16	2	400	82	1	18	2	1220	82	1
8	1	19	2	1320	82	1	20	2	1580	82	1
8	1	21	2	1320	82	1	22	2	1000	82	2
8	1	23	2	1660	82	1	24	2	4000	82	1
8	1	26	2	760	82	1	27	2	200	82	1
8	1	28	2	860	82	1	29	2	1340	82	1
8	1	30	2	1000	82	1	31	1	3340	82	2
8	1	34	1	400	21	1					
8	1	35	21	760	82	1	36	21	881	86	2
8	1	37	1	240	86	2	39	3	600	82	1
8	1	40	3	100	83	1	41	3	100	83	1
8	1	42	3	600	83	1	43	3	300	86	2
8	1	44	3	981	83	1	45	21	240	86	2
8	1	46	21	500	83	1	47	21	200	83	1
8	1	49	21	900	82	1	51	21	300	82	1
8	1	52	21	500	86	2	53	21	26330	83	1
8	1	54	21	1280	83	1	55	21	1700	82	2
8	1	56	21	240	86	2	57	21	4740	82	1
8	1	58	21	2660	82	1	59	21	240	86	2
8	1	60	21	540	82	1	61	21	721	86	2
8	1	62	21	240	86	2	64	7	300	82	1
8	1	65	7	600	82	1	66	7	200	82	1
8	1	67	7	600	82	1	68	7	300	82	1
8	1	69	7	100	87	1	70	7	100	87	1
8	1	71	7	100	87	1	72	7	100	87	1
8	1	73	7	100	87	1	74	7	100	87	1
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8	1	79	7	100	89	1	80	7	100	89	1
8	1	81	7	540	83	1	82	7	100	87	1
8	1	83	7	100	87	1	84	7	100	87	1
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8	1	88	4	400	84	2	89	4	200	84	2
8	1	90	4	600	84	2	93	4	600	82	1
8	1	94	4	260	84	2	95	4	160	84	2
8	1	96	4	100	84	2	97	4	500	84	2
8	1	98	3	140	83	1	99	4	200	84	2
8	1	100	4	280	84	2	101	7	540	83	1
8	1	102	7	7940	83	1	103	7	17620	83	1
8	1	104	3	200	83	1	105	3	240	83	1
8	1	106	3	600	83	1	107	3	340	83	1
8	1	109	3	560	83	1	110	3	710	83	1
8	1	111	3	610	83	1	112	3	480	83	1
8	1	113	3	240	83	1	114	3	280	83	1
8	1	115	3	350	83	1	116	3	1570	83	1
8	1	117	3	170	83	1	118	17	200	86	2
8	1	119	17	700	86	2	120	17	260	86	2
8	1	121	17	240	86	2	122	17	1121	86	2
8	1	123	17	240	86	2	124	6	280	86	2
8	1	125	6	1160	86	2	126	6	240	86	2
8	1	128	23	100	23	1	129	23	300	23	1
8	1	130	9	340	23	1	131	9	1741	23	1
8	1	132	23	240	23	1	133	23	500	23	1
8	1	134	4	1671	89	1	135	4	251	84	2
8	1	136	4	180	84	2	137	4	400	84	2
8	1	138	4	160	89	2	140	3	200	84	2
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8	1	143	9	160	89	1	144	9	1060	89	1
8	1	145	9	2680	89	1	146	9	1511	89	1
8	1	147	9	1000	89	1	148	9	1000	89	1
8	1	150	9	880	89	1	152	9	1200	89	1
8	1	151	9	1000	89	1					
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8	1	155	9	100	89	1	156	9	2631	89	1
8	1	157	9	260	89	1	158	9	1651	89	1
8	1	159	9	1080	89	1	160	9	1540	89	1

163	8	1870	88	1
167	9	520	89	1
168	9	300	89	1
171	9	340	89	1
173	9	5270	89	1
175	12	910	80	1
177	12	720	80	1
179	12	561	80	1
181	12	300	80	1
183	12	851	80	1
185	12	1231	80	1
187	12	1240	80	1
189	13	971	81	1
191	13	440	81	1
193	13	730	81	1
195	13	680	81	1
197	13	1040	81	1
199	16	1470	79	2
201	16	510	79	2
203	10	5030	90	2
205	20	360	20	1
208	16	240	79	2
212	16	860	79	2
214	17	3340	27	2
216	17	251	27	2
218	17	371	27	2
220	17	440	27	2
223	17	491	27	2
225	17	480	27	2
229	17	880	27	1
233	17	940	82	1
236	17	1351	27	2
238	17	621	27	2
241	14	400	85	2
243	14	401	85	2
245	14	840	85	2
248	4	200	84	2
249	4	200	84	2
251	1	400	11	1

162	9	2290	89	1
165	8	1000	88	1
166	8	4020	88	1
168	9	300	89	1
170	9	340	89	1
172	9	340	89	1
174	12	100	80	1
176	12	341	80	1
178	12	1231	80	1
180	12	1201	80	1
182	12	280	80	1
184	12	1110	80	1
186	12	1080	80	1
188	13	100	81	1
190	13	360	81	1
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196	13	350	81	1
198	16	240	79	2
200	16	771	79	2
202	10	1240	90	1
204	10	1840	90	1
207	20	111	20	1
211	16	3321	79	2
213	17	1950	27	2
215	17	400	27	2
217	17	1560	27	2
219	17	2000	27	2
221	17	840	27	2
222	17	1000	27	2
224	17	380	27	2
226	17	400	27	2
227	17	430	27	2
231	17	1200	82	1
235	17	240	27	2
237	17	1081	27	2
239	17	230	27	2
242	14	1861	85	2
244	14	751	85	2
246	14	1660	85	2
247	14	1000	85	2
250	1	400	11	1
352	17	700	67	2
353	3	600	83	1
354	3	600	83	1
355	21	500	21	1
356	21	500	21	1
357	21	300	21	1
358	21	300	21	1
359	7	100	87	1
360	7	100	87	1
361	7	100	87	1
362	7	160	87	1
363	4	260	84	2
364	4	200	84	1
365	4	210	84	1
366	4	260	84	1
367	4	260	84	1
368	7	300	87	1
369	23	100	23	1
370	23	160	23	1
371	23	300	23	1
372	23	300	23	1
373	21	760	21	1
374	21	760	21	1
375	21	760	21	1

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17	4	136	122	123	2	137	123	124	3	138	122	125
17	4	139	125	126	1	140	126	127	1	141	127	128
17	4	142	125	128	5	143	125	129	3	144	114	129
17	5	1	49	52	51	54	57	58	57	61	61	65
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17	5	1	21	70	69	82	81	82	82	82	85	86
17	5	1	31	83	82	86	85	88	89	88	92	91
17	5	1	41	98	102	103	104	105	107	107	107	110
17	5	1	51	110	115	111	117	118	117	120	120	123
17	5	1	61	123	127	126	129	129	114	122		
17	6	1	1	1	2	3	4	5	6	7	8	9
17	6	1	11	12	13	14	15	16	17	18	19	20
17	6	1	1	21	22	23	24	25	26	27	28	34
17	6	1	2	25	26	27	28	29	30	31	32	33
17	6	1	2	35	36	37	38	39	40			
17	6	1	1	2	3	4						
17	6	1	2	11	12	13						
17	1	2	100	100	1	1	0	0	0	2000	80	5
17	2	2100	2	2	22	2	2	2	32	3	4	12
17	3	2	51	60	2	1	27	3	32	3	3	0
17	4	2	1	1	5	7	29	6	2	2	28	31
17	4	2	4	4	2	4	9	9	5	9	30	5
17	4	2	7	28	29	2	28	16	16	12	28	2
17	4	2	10	26	47	4	11	28	20	15	30	20
17	4	2	13	7	8	35	14	27	28	21	8	2
17	4	2	16	20	21	1	17	20	2	18	22	2
17	4	2	19	17	18	2	20	16	2	21	18	1
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17	4	2	25	11	12	2	26	10	11	27	13	2
17	4	2	28	31	32	5	29	6	1	27	31	2
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17	4	2	34	34	35	3	33	33	14	33	34	5
17	4	2	37	37	38	1	35	36	3	36	37	2
17	4	2	40	40	41	3	38	39	1			
17	4	2	43	43	44	4	41	42	3	42	43	2
17	4	2	46	47	47	1	44	45	4	45	46	3
17	4	2	49	5	6	3	47	48	4	48	49	6
17	4	2	52	23	24	3	50	51	5	51	52	3
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17	4	2	1	2	3	4	59	60	10	60	51	8
17	6	2	2	11	12	13						
17	7	1	0	0	4	0	0	0	2	2		
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17	8	1	2	1	60	120	1	0				
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17	10	1	0	0	0	0	0	0	0	0		
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17	1	3	8	8	8	8	8	8	8	8		
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17	2	1	1	75	75	75	75	75	75	75	75	
17	2	1	2	75	75	75	75	75	75	75	75	
17	2	1	3	75	75	75	75	75	75	75	75	
17	2	1	72	90	90	90	90	90	90	90	90	
17	20	1	24	30	30	30	30	30	30	30	30	
17	20	2	1	12	12	12	12	12	12	12	12	
17	20	99	1	4848	2828	2828	2828	2828	2828	2828	2828	
17	21	1	4	6	6	6	6	6	6	6	6	
17	21	1	7	1313	8	8	8	8	8	8	8	
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17	21	1	17	2424	18	18	18	18	18	18	18	
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17	21	1	23	1819	1212	1212	1212	1212	1212	1212	1212	
17	21											

[illegible]

7 C-1 MAINT STAND
 8 ENGINE CART 20 M4J-83 BOMBLIFT
 9 ENGINE STAND 21 GUN LOADER GFU-7
 10 ENGINE HOIST ASSY 22 NITROGEN BOTTL
 11 AM32A-60 16 FUEL BOW
 12 MC-1A AIR COM 17 FUEL TANK LOADER
 13 MC-2A AIR COMPR 18 LOX CART
 14 AXLE JACK 19 GUN TRAILER
 15 WING JACK 20 FUEL TRUCK

22	2	7	1414	1421	20	1010	1025	2	1	101	2	1	101	3	0	0	0	1	101	0	0	101	101
22	2	8	4	4	7	1010	1025	2	1	101	2	1	101	3	0	0	0	1	101	0	0	101	101
22	2	9	4	4	7	21	1616	5	8	101	5	0	101	6	0	0	0	1	101	0	0	101	101
22	2	10	6	6	7	22	5	5	4	101	11	0	101	9	0	0	0	1	101	0	0	101	101
22	2	11	6	6	7	16	4	4	23	101	11	0	101	12	0	0	0	1	101	0	0	101	101
22	2	12	5	5	21	17	8	8	23	101	17	0	101	15	2	0	0	1	101	0	0	101	101
22	2	13	8	8	21	18	5	5	21	101	20	0	101	18	0	0	0	1	101	0	0	101	101
22	2	14	1111	1121	19	1414	1425	2	1	101	23	0	101	21	0	0	0	1	101	0	0	101	101
22	2	15	2020	2021	20	8	8	8	1	101	26	0	101	24	0	0	0	1	101	0	0	101	101
22	2	16	2	1	2	8	8	8	1	101	29	1	101	30	1	0	0	1	101	0	0	101	101
23	74	1	1	1	1	2	1	1	2	101	32	1	101	35	1	0	0	1	101	1	0	101	101
23	74	1	1	1	1	2	1	1	2	101	35	4	101	36	1	0	0	1	101	1	0	101	101
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23	1	1	1	1	1	1	1	1	1	101	41	0	101	42	2	0	0	1	101	0	0	101	101
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23	1	1	1	1	1	1	1	1	1	101	50	1	101	51	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	53	5	101	54	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	56	1	101	57	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	59	1	101	60	3	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	62	2	101	63	3	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	65	0	101	66	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	68	0	101	69	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	71	6	101	72	3	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	74	1	101	75	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	77	2	101	78	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	80	1	101	81	3	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	83	1	101	84	4	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	86	3	101	87	2	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	89	1	101	90	2	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	92	1	101	93	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	95	3	101	96	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	98	3	101	99	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	101	0	101	102	10	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	104	2	101	105	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	107	0	101	108	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	110	1	101	111	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	113	0	101	114	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	116	2	101	117	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	119	1	101	120	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	122	2	101	123	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	125	1	101	126	3	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	128	5	101	129	3	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	131	3	101	132	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	134	0	101	135	4	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	137	2	101	138	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	140	0	101	141	0	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	143	0	101	144	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	146	2	101	147	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	149	3	101	150	2	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	152	3	101	153	1	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	155	0	101	156	7	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	158	5	101	159	2	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	161	2	101	162	5	0	0	1	101	0	0	101	101
23	1	1	1	1	1	1	1	1	1	101	161	2	101	162	5	0	0	1	101	0	0	101	101

23	1	163	2	1	164	1	1	101	165	2	101	2	101	2	101
23	1	166	3	1	167	1	1	101	168	1	101	1	101	1	101
23	1	169	2	0	170	0	0	101	171	0	101	0	101	0	101
23	1	172	0	0	173	4	4	101	174	2	101	2	101	2	101
23	1	175	7	7	176	1	1	101	177	3	101	3	101	3	101
23	1	178	3	3	179	2	2	101	180	5	101	5	101	5	101
23	1	181	3	2	182	1	1	101	183	1	101	1	101	1	101
23	1	184	6	6	185	2	2	101	186	1	101	1	101	1	101
23	1	187	2	2	188	3	3	101	189	4	101	4	101	4	101
23	1	190	1	1	191	1	1	101	192	2	101	2	101	2	101
23	1	193	2	2	194	2	2	101	195	1	101	1	101	1	101
23	1	196	1	1	197	1	1	101	198	2	101	2	101	2	101
23	1	198	3	3	199	2	2	101	200	2	101	2	101	2	101
23	1	202	3	3	203	8	8	101	204	2	101	2	101	2	101
23	1	205	1	1	206	1	1	101	207	1	101	1	101	1	101
23	1	208	2	2	209	4	4	101	210	2	101	2	101	2	101
23	1	211	2	2	212	2	2	101	213	7	101	7	101	7	101
23	1	214	3	3	215	2	2	101	216	4	101	4	101	4	101
23	1	217	8	8	218	1	1	101	219	1	101	1	101	1	101
23	1	220	2	2	221	4	4	101	222	4	101	4	101	4	101
23	1	223	1	1	224	2	2	101	225	3	101	3	101	3	101
23	1	226	1	1	227	4	4	101	228	2	101	2	101	2	101
23	1	229	1	1	230	3	3	101	231	1	101	1	101	1	101
23	1	232	2	2	233	2	2	101	234	1	101	1	101	1	101
23	1	235	0	0	236	1	1	101	237	1	101	1	101	1	101
23	1	238	3	3	239	1	1	101	240	3	101	3	101	3	101
23	1	241	3	3	242	2	2	101	243	1	101	1	101	1	101
23	1	244	2	2	245	1	1	101	246	34	101	34	101	34	101
23	1	247	1	1	248	0	0	101	249	2	101	2	101	2	101
23	1	250	1	1	251	7	7	101							

28	71	711	721	731	741	751	761	771	781	791	801
28	81	811	821	831	841	851	861	871	881	891	901
28	91	911	921	931	941	951	961	971	981	991	1001
28	101	1011	1021	1031	1041	1051	1061	1071	1081	1091	1101
28	111	1111	1121	1131	1141	1151	1161	1171	1181	1191	1201
28	121	1211	1221	1231	1241	1251	1261	1271	1281	1291	1301
28	131	1311	1321	1331	1341	1351	1361	1371	1381	1391	1401
28	141	1411	1421	1431	1441	1451	1461	1471	1481	1491	1501
28	151	1511	1521	1531	1541	1551	1561	1571	1581	1591	1601
28	161	1611	1621	1631	1641	1651	1661	1671	1681	1691	1701
28	171	1711	1721	1731	1741	1751	1761	1771	1781	1791	1801
28	181	1811	1821	1831	1841	1851	1861	1871	1881	1891	1901
28	191	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001
28	201	2011	2021	2031	2041	2051	2061	2071	2081	2091	2101
28	211	2111	2121	2131	2141	2151	2161	2171	2181	2191	2201
28	221	2211	2221	2231	2241	2251	2261	2271	2281	2291	2301
28	231	2311	2321	2331	2341	2351	2361	2371	2381	2391	2401
28	241	2411	2421	2431	2441	2451	2461	2471	2481	2491	2501
28	251	2511									
29	1	1	5000	1	2	3	4	5	6	7	8
29	1	2	10	12	13	14	15	16	17	20	21
29	1	3	29	701	26	0	0				23
32	1	1	2	118							
32	2	1	2	0	12	0	98	2	1	0	12
33	8	7	0	0							98
34	1	400	2								
34	2	1	400	4							
35	1	6	47								
35	1	9	47								
35	1	42	90								
35	1	43	335								
35	1	52	245	53	341	54	341				
35	1	60	155	63	268						
35	1	97	317								
35	1	101	-1	102	203	103	101	104	161	105	-1
35	1	106	60	107	60	108	60	109	60	112	83
35	1	119	317								
35	1	125	245								
35	1	129	90	131	90						
35	1	139	227								
35	1	145	65	147	65						
35	1	148	65	151	65	154	65				
35	1	155	-1	156	60						
35	1	162	71	163	173	165	173	166	120		
35	1	173	60	175	143						
35	1	178	107	180	113	181	113				
35	1	183	65	184	65	189	203				
35	1	193	180	194	143	195	143	196	143		
35	1	199	90	200	90						
35	1	204	101	209	143	210	143				
35	1	222	197								
35	1	225	65	226	65	227	65	228	65		
35	1	232	101								
35	1	246	-1	247	65	249	95				
37	36	1						35	2		
37	1	16	100					2	16	100	
37	3	16	100								
37	4	16	100					5	16	100	
37	6	16	100					7	16	100	
37	8	16	100								
37	9	16	100					10	16	100	
37	11	16	100					12	16	100	
37	13	16	100					15	16	100	
37	14	16	100					17	16	100	
37	16	16	100								

A-25

APPENDIX B
CHANGES TO CURRENT A-10 DATABASE

5 CARDS : DELETE CURENT ABDR TASKS

ມານໂຈກມຸນ-ມານໂຈກມຸນ-
 ຈະຈະຈະຈະຈະຈະຈະຈະຈະຈະ
 ກາກກາກກາກ-ລາກກາກກາກ-ລ
 ອອ້ອອ້ອອ້ອອ້ອອ້ອອ້ອອ້ອ
 ອອ້ອອ້ອອ້ອອ້ອອ້ອອ້ອອ້ອ
 ມັດຕະວັນ- ຫິມະວັນ-
 ລາລາລາລາລາລາລາລາລາລາລາ
 -ລາກະກາມັດຕະວັນ-ລາກະກາມັດ
 ຕົ້ນຕົ້ນຕົ້ນຕົ້ນຕົ້ນຕົ້ນຕົ້ນຕົ້ນ
 ກາກກາກກາກກາກກາກກາກກາກກາກ

00000000 00000000
3542024 3542024
1216 1216

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○○○○○○○○○○○○○○○○○○○○
○○○○○○○○○○○○○○○○○○○○

[illegible]

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

5 CARDS : ADD ABDR TASKS

[illegible]

149	977	976
141	978	1003
148	979	1035
148	980	1053
77	981	1080
37	982	1189
37	983	1103
37	984	1123
37	985	1128
74	986	1206
74	987	1221
74	988	1042
74		1152
74		990
55	991	1075
55	992	1125
55	993	1053
26	994	1080
31	995	1189
31	996	1103
62	997	1123
62	998	1128
31	999	1206
62	1000	1221
62	1001	1042
94	1002	1173
31	1003	1152
26	1004	1004
37	1005	
37	1006	1008
37		1009
37	1012	
37	1011	
37	1010	
37		
37	1015	1013
37	1014	
50		
110	1018	1016
50	1017	
50		
110	1021	1019
50	1020	
50		
50	1024	1022
50	1023	
50		
870	1027	1025
50	1026	
50		
870	1031	1028
870	1029	
330	1030	
870		
870	1032	
870	1033	
870	1034	
870	1035	
870	1036	
870	1037	1037
870	1038	
330	1039	
330		
870	1041	
1000		
120		1042
340	1046	1043
390	1045	1044

[illegible]

*** ROOT *

*** ROOT **

5 CARDS (CONT)

1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	1489	1490	1491	1492	1493	1494	1495	1496	1497	1498	1499	1500	1501	1502	1503	1504	1505	1506	1507	1508	1509	1510	1511	1512	1513	1514	1515	1516	1517	1518	1519	1520	1521	1522	1523	1524	1525	1526	1527	1528	1529	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1540	1541	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1552	1553	1554	1555	1556	1557	1558	1559	1560	1561	1562	1563	1564	1565	1566	1567	1568	1569	1570	1571	1572	1573	1574	1575	1576	1577	1578	1579	1580	1581	1582	1583	1584	1585	1586	1587	1588	1589	1590	1591	1592	1593	1594	1595	1596	1597	1598	1599	1600	1601	1602	1603	1604	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614	1615	1616	1617	1618	1619	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	1690	1691	1692	1693	1694	1695	1696	1697	1698	1699	1700	1701	1702	1703	1704	1705	1706	1707	1708	1709	1710	1711	1712	1713	1714	1715	1716	1717	1718	1719	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	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Line	Altitude	Frequency	Mode	Signal	Remarks
1114	1114	1114	1114	1114	1114
1117	1117	1117	1117	1117	1117
1120	1120	1120	1120	1120	1120
1033	1033	1033	1033	1033	1033
1035	1035	1035	1035	1035	1035
1036	1036	1036	1036	1036	1036
1037	1037	1037	1037	1037	1037
1038	1038	1038	1038	1038	1038
1039	1039	1039	1039	1039	1039
1040	1040	1040	1040	1040	1040
1144	1144	1144	1144	1144	1144
1153	1153	1153	1153	1153	1153
1156	1156	1156	1156	1156	1156
1159	1159	1159	1159	1159	1159
1162	1162	1162	1162	1162	1162
1174	1174	1174	1174	1174	1174
1177	1177	1177	1177	1177	1177
1180	1180	1180	1180	1180	1180
1190	1190	1190	1190	1190	1190
1193	1193	1193	1193	1193	1193
1196	1196	1196	1196	1196	1196
1207	1207	1207	1207	1207	1207

15-2 CARD : CHANGE BATTLE DAMAGE AND AIRBASE DAMAGE TASKS

[illegible]

21 CARDS : INCREASE MINIMUM SHOP SIZE FOR ABRD TASKS

[illegible]

23-1 CARDS : ADD PART SUPPLY CARDS

[illegible]

34 CARD : INCREASE LAST PART NUMBER

34	1	1	400	24
34	2	1	400	

APPENDIX C
CORRECTIONS TO CURRENT A-10 DATABASE

CORRECTIONS TO THE APRIL 86 A-10 DATABASE

3-3 CARD : INCREASE "NPART" VARIABLE

3	3	0	0	0	0	0	0	0	0	0	0	0	0	251	0	25
---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----	---	----

5 CARDS :

CHANGE PART NUMBER

5	110	1	251	00	11	1	-36	111	100	0	Q13AHAR
---	-----	---	-----	----	----	---	-----	-----	-----	---	---------

PLACE "PART PROB" IN CORRECT COLUMN

5	685	14	246	320	14	3	83	100	0	Q76POD
---	-----	----	-----	-----	----	---	----	-----	---	--------

CHANGE PART NUMBER

5	730	1	250	00	11	1	-36	110	100	0	Q13AHAL
---	-----	---	-----	----	----	---	-----	-----	-----	---	---------

8-1 CARDS : ADD PARTS

8	1	147	9	1000	89	1	148	9	1000	89	1
8	1	151	9	1000	89	1					
8	1	222	17	1000	27	2					
8	1	226	17	400	27	2					

8-2 CARD : CHANGE PART NUMBER

8	2	1	17	-2	298	17	2	-2	252
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8-3 CARD : CORRECT REPAIR NETWORK

8	3	298	299	800	82	2	42	299	380	82	1	58
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20 CARD : ADD CARD FOR BASE # 2

20	2	1	24	30
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41 CARD : ADD CARD FOR BASE # 2

41	2	1	24
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APPENDIX D

**CHANGES TO A-10 TSAR
DATABASE DICTIONARY**

This appendix contains the changes required to include the ABDR database in the 25 April 1986 A-10 database dictionary.

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viii thru I-1	Replace Original Pages
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III-6, III-7	Replace Original Pages
III-10 thru III-13	Replace Original Pages
III-16, III-17	Replace Original Pages
III-34, III-35	Replace Original Pages
III-40, III-41	Replace Original Pages
III-44, III-45	Replace Original Pages
III-58, III-59	Replace Original Pages
III-126, III-127	Replace Original Pages
III-127a thru III-127t	Insert New pages
III-128, III-129	Replace Original Pages
III-140, III-141	Replace Original Pages
III-146, III-147	Replace Original Pages
III-152 thru IV-4	Replace Original Pages
IV-15, IV-16	Replace Original Pages
IV-19, IV-20	Replace Original Pages
IV-25, IV-26	Replace Original Pages
VI-2 thru VI-18	Replace Original Pages

CHAPTER III RESOURCE REQUIREMENTS (CONTINUED)

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III 1.5.9	TASK #92	NETWORK	III-58
III 1.5.10	TASK #106	NETWORK	III-59
III 1.5.11	TASK #109	NETWORK	III-59
III 1.5.12	TASK #112	NETWORK	III-60
III 1.5.13	TASK #125	NETWORK	III-61
III 1.5.14	TASK #135	NETWORK	III-62
III 1.5.15	TASK #144	NETWORK	III-63
III 1.5.16	TASK #157	NETWORK	III-64
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III 1.5.19	TASK #171	NETWORK	III-66
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CHAPTER I
INTRODUCTION

I.1 DATA BASE PURPOSE

THIS DATA BASE WAS DEVELOPED TO REPRESENT THE A-10 AIRCRAFT IN A WARTIME ENVIRONMENT.

I.2 GENERAL DESCRIPTION OF THE DATA BASE

THIS DOCUMENTATION IS FOR THE TSAR A-10 INPUT DATA BASE WITH OFF-EQUIPMENT/INTERMEDIATE REPAIR. THIS DATA BASE REPRESENTS A 3 SQUADRON (72 AIRCRAFT) MOB AND A COB. ON-EQUIPMENT TASKS AND TASK PROBABILITIES WERE ORIGINALLY BASED ON THE LATEST LCOM DATA AND ADJUSTED TO REFLECT A COMBAT ENVIRONMENT. THIS DATA BASE ALSO INCLUDES 5, 10, 30, 50, 100, AND 200 HOUR PHASED MAINTENANCE REQUIREMENTS. SPARE PARTS ARE EXPLICITLY ENTERED IN THE DATA BASE. ABRD TASKS ARE REPRESENTED. THIS DATA BASE WAS DEVELOPED WITH THE LATEST VERSION OF TSAR (23 OCT 1985) DIMENSIONED FOR 200 PERSONNEL TYPES, 100 EQUIPMENTS TYPES, 50 TYPES OF MUNITIONS, TRAP AND CE BUILDING MATERIALS, AND FOR 1000 TYPES OF AIRCRAFT PARTS. CHEMICAL ATTACK OR ENVIRONMENT DATA IS NOT EXPLICITLY EXPRESSED IN THIS DATA BASE.

TSAR CONTROL VARIABLES

II.9 CARD TYPE #3/3

AIRCRAFT PARTS GENERATION

VARIABLE	VALUE	EXPLANATION
OUTFIT	0	THE AUTOMATIC PARTS STOCK INITIALI- ZATION IS NOT ACTIVATED. PART STOCK LEVELS ARE EXPLICITLY INPUT.
PMODE	0	WRSK'S PARTS STOCK LEVELS ARE NOT COMPUTED
PPRINT	0	SIMULATION OUTPUT LEVEL FOR PARTS DATA
RANDOM	0	THE POISSON APPROXIMATION OF BINOMIAL DISTRIBUTION IS NOT USED FOR PARTS SHORTAGES AND THE LOCATION OF PARTS IN THE PIPELINE
FULL	0	NOT ALL PARTS ARE ON BASE, SOME MAY BE ENROUTE AT TIME 0
SHORT	0	NO AUTOMATIC PARTS GENERATION, SHORT NOT APPLICABLE
HIATUS	0	NO PARTS PIPELINE DELAY
TOOFEW	0	NO AUTOMATIC PARTS GENERATION, TOOFEW NOT APPLICABLE
K1LOW	0	NO PARTS SHORTAGES
K2LOW	0	NO PARTS SHORTAGES
ZNORS	0	PARTS SHORTAGE NOTICE IS PRINTED
NEWPR	0	NO AUTOMATIC PARTS GENERATION, NEWPR NOT APPLICABLE
NPART	376	THE NUMBER OF THE HIGHEST NUMBERED LRU IS 376
CHNRTS	0	THE NRTS VALUE IN THE POLICY ARRAY WILL BE USED
FSALVG	25	IF AN AIRCRAFT IS DAMAGED BY AIR ATTACK AND IS NOT REPARABLE, 25 PER- CENT OF THAT AIRCRAFT'S SPARE PARTS NOT DESTROYED BY THE ATTACK ARE SALVAGED

TSAR CONTROL VARIABLES

II.10 CARD TYPE #3/4

CHEMICAL WARFARE VARIABLES

VARIABLE	VALUE	EXPLANATION
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*** NOT USED ***

II.11 CARD TYPE #3/5

CHEMICAL WARFARE VARIABLES

VARIABLE	VALUE	EXPLANATION
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*** NOT USED ***

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

EQUIPMENT REPAIR TASKS

TSAR AGE	PROB	AGE DESCRIPTION	TASK DESCRIPTION
1	.0010	FUEL HYDRANT	REPAIR HYDRANT
80	.0010	FUEL TRUCK	REPAIR TRUCK

TOTAL NUMBER OF EQUIPMENT REPAIR TASKS = 2

ON-EQUIPMENT TASKS

TSAR TASK # (NETWORK)	TASK PROB	TASK DESCRIPTION
82	.0029	LADDER CREW BOARDING
109	.0500	LANDING GEAR
125	.0036	NOSE LANDING GEAR

TOTAL NUMBER OF ON-EQUIPMENT TASK = 3
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.0565

PART REPAIR TASKS (CARD TYPE #8/1)

PART NO	WUC CODE	PART DESCRIPTION	TASK DESCRIPTION
1	11AFO	WINDSHIELD ASSEMBLY	RR WINDSHIELD
31	12BAO	LADDER, CREW BOARDING	REPAIR LADDER
34	13BHA	TIRE, NOSE LANDING GEAR	REPLACE TIRE
37	13BDO	ACTUATOR, NOSE LANDING GEAR RET	REPAIR ACTUATOR
150	13AHAL	TIRE, MAIN LANDING GEAR, L.H.	REPLACE TIRE
151	13AHAR	TIRE, MAIN LANDING GEAR, R.H.	REPLACE TIRE
376	12GAO	CANOPY ASSEMBLY	REPAIR ASSEMBLY

TOTAL NUMBER OF PART REPAIR TASKS = 7

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.4.2 TSAR SHOP #2 -- AIRFRAME REPAIR

BEGINNING OF DAY SHIFT IS 0800. (CARD TYPE #18/1)
BREAK RATE MODIFIER = 75%. (CARD TYPE #18/2)

SHOP RESOURCE DATA (CARD TYPES #21 AND #22)

PERSONNEL DATA (MOB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
2	9	5	14	14	427X5	SQUAD #1
32	9	5	14	14	427X5	SQUAD #2
41	9	6	15	15		ABDR ASSESSOR
52	9	5	14	14	427X5	SQUAD #3
82	2	2	4	4	427X5	WING
5 TYPES	38	23	61	61	TOTALS	

PERSONNEL DATA (COB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
2	2	4	6	6	427X5	SQUAD #1
41	6	6	12	12		ABDR ASSESSOR
82	2	2	4	4	427X5	WING
3 TYPES	10	12	22	22	TOTALS	

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

ON-EQUIPMENT TASKS

TSAR TASK # (NETWORK)	TASK PROB	TASK DESCRIPTION
25	.0084	FUSELAGE, CENTER SECTION
32	.0089	FUSELAGE, AFT SECTION
41	.0175	WING ASSEMBLY
54	.0043	EMPENNAGE
63	.0067	ENGINE NACELLE, L.H./R.H.
73	.0035	COCKPIT
975	----	MISSION BATTLE DAMAGE ASSESSMENT
989	----	AIRBASE BATTLE DAMAGE ASSESSMENT

TOTAL NUMBER OF ON-EQUIPMENT TASKS = 9
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.0493

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

PART REPAIR TASKS (CARD TYPE #8/1)

PART NO	WUC CODE	PART DESCRIPTION	TASK DESCRIPTION
38	13COO	NOSE WHEEL STEERING SYSTEM	RR STEER SYSTEM
39	13DAO	BRAKE ASSEMBLY, R.H./L.H.	REPAIR ASSEMBLY
40	13DFO	ANTI-SKID SYSTEM	REPAIR SYSTEM
41	13DFA	CONTROL UNIT, ANTI-SKID	REPAIR UNIT
42	13GAA	PANEL, LANDING GEAR CONTROL	REMOVE PANEL
43	13GAC	VALVE, LANDING GEAR SELECTOR	REPAIR VALVE
44	14ABO	EMERGENCY FLIGHT CONTROL PANEL	REMOVE PANEL
98	41EAA	CONTROL UNIT, ANIT-ICE SYSTEM	REPAIR UNIT
104	42BAO	INVERTER, STANDBY	REPAIR INVERTER
105	42FOO	AC/DC DISTRIBUTION SYSTEM	REPAIR SYSTEM
106	42FAB	BOX ASSEMBLY, MISC RELAYS	REPAIR RELAYS
107	42FAC	BOX ASSY, COCKPIT AC POWER RELAYS	REPAIR RELAYS
108	42FAE	BOX ASSY, FUEL/ENGINE RELAYS	RR RELAYS
109	42FAG	BOX ASSY, LANDING GEAR RELAYS	REPAIR RELAYS
110	44AAO	CONTROL PANEL, EXT & INT LIGHT	REMOVE PANEL
111	44BBO	POWER SUPPLY, STROBE LIGHTS	REPAIR SUPPLY
112	44BEB	LIGHT, LOWER FUSELAGE	REPAIR LIGHT
113	44BEC	LIGHT, FORMATION/TAIL FLOOD	REPAIR LIGHT
114	44COO	INTERIOR LIGHTING SYSTEM	REPAIR SYSTEM
115	44CDO	PANEL ASSEMBLY, AUX LIGHTING	REPAIR ASSY
116	44CFO	PANEL, MASTER CAUTION ANNUNCIA	REMOVE PANEL
117	44CGA	UTILITY LIGHT	REPAIR LIGHT
140	49BOO	FIRE EXTINGUISHING SYSTEM	REPAIR SYSTEM
141	41BAD	CANISTERS, EXTINGUISHING SYSTEM	REPAIR CANISTERS
353	13LAO	TUBING, LANDING GEAR	REPLACE TUBING
354	13LBO	HOSES, LANDING GEAR	REPLACE HOSES

TOTAL NUMBER OF PART REPAIR TASKS = 26

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.4.4 TSAR SHOP #4 -- ENVIRONMENTAL SYSTEMS

BEGINNING OF DAY SHIFT IS 0800. (CARD TYPE #18/1)
BREAK RATE MODIFIER = 75%. (CARD TYPE #18/2)

SHOP RESOURCE DATA (CARD TYPES #21 AND #22)

PERSONNEL DATA (MOB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
4	4	2	6	6	423X1	SQUAD #1
34	4	2	6	6	423X1	SQUAD #2
54	4	2	6	6	423X1	SQUAD #3
84	2	2	4	4	423X1	WING
4 TYPES	14	8	22	22	TOTALS	

PERSONNEL DATA (COB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
4	2	2	4	4	423X1	SQUAD #1
84	2	2	4	4	423X1	WING
2 TYPES	4	4	8	8	TOTALS	

AGE DATA (MOB)

TSAR AGE TYPE	NUMBER	TARGETED	DESCRIPTION
22	8	8	NITROGEN BOTTLE
1 TYPE	8	8	TOTALS

AGE DATA (COB)

TSAR AGE TYPE	NUMBER	TARGETED	DESCRIPTION
22	5	5	NITROGEN BOTTLE
1 TYPE	5	5	TOTALS

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

ON-EQUIPMENT TASKS

TSAR TASK # (NETWORK)	TASK PROB	TASK DESCRIPTION
312	.0034	COCKPIT AIR TEMP CONTROL SYS
318	.0061	AIR CONDITIONING SYSTEM
334	.0024	PRESSURIZATION
340	.0008	WASH SYSTEMS
464	.0055	LOX SUPPLY SYSTEM
688	.0011	PARACHUTE SYSTEM

TOTAL NUMBER OF ON-EQUIPMENT TASK = 6
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.0193

PART REPAIR TASKS (CARD TYPE #8/1)

PART NO	WUC CODE	PART DESCRIPTION	TASK DESCRIPTION
88	41AAO	PANEL, ENVIRONMENTAL CONTRQL	REMOVE PANEL
89	41ABA	VALVE, TEMPERATURE CONTROL	REPAIR VALVE
90	41ABF	CONTROLLER, CABIN TEMP SYSTEM	REPAIR CONTROL
91	41BOO	AIR CONDITIONING SYSTEM	REPAIR AC SYSTEM
92	41BAA	AIR CYCLE MACHINE	RR AIR CYCLE MACH
93	41BAB	HOUSING AND ASPIRATOR ASSY	REPAIR ASSEMBLY
94	41BBD	DUCTS, LEFT SIDE, SERVICE AIR	REPAIR DUCTS
95	41BBM	OUTLET ASSY, CABIN AIR	REPAIR ASSEMBLY
96	41BBN	VALVE, MANUAL CABIN AIR DIRECTOR	REPAIR VALVE
97	41BCB	VALVE, PRESSURE REGULATING	REPAIR VALVE
99	41GOO	WASH SYSTEMS	REPAIR SYSTEM
100	41GAE	PRESSURE REGULATOR, WASH SYSTEM	REPAIR REGULATOR
134	47A77	CONNECTORS, AIRCRAFT ELECTRICAL	REPLACE CONNECTORS
135	47AAO	CONVERTER ASSEMBLY, LOX	REPAIR ASSEMBLY
136	47AAD	CAP, BUILD-UP AND VENT	REPAIR CAP
137	47ABA	REGULATOR, DILUTER DEMAND	REPAIR REGULATOR
138	47ACA	INDICATOR, LOX QUANTITY	REPAIR INDICATOR
248	91BEA	CYLINDER ASSEMBLY	REPAIR ASSEMBLY
363	41BAH	HOSES, FLEX, AIR CONDITIONING	REPLACE HOSES
364	41BAJ	DUCT, HEAT EXCHANGER, AIR CONDIT	REPLACE DUCT
365	41BBE	DUCTS, RIGHT SIDE, CABIN AIR	REPLACE DUCTS
366	41BCD	DUCTS, NACELLE 10TH STAGE AIR	REPLACE DUCTS
367	41BCF	BELLOWS, BRAIDED NON-RESTRAINED	REPLACE BELLOWS

TOTAL NUMBER OF PART REPAIR TASKS = 23

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.4.5 TSAR SHOP #5 -- EGRESS SYSTEMS

BEGINNING OF DAY SHIFT IS 0800. (CARD TYPE #18/1)
BREAK RATE MODIFIER = 75%. (CARD TYPE #18/2)

SHOP RESOURCE DATA (CARD TYPES #21 AND #22)

PERSONNEL DATA (MOB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
5	4	4	8	8	423X2	SQUAD #1
35	4	4	8	8	423X2	SQUAD #2
55	4	4	8	8	423X2	SQUAD #3
75	2	2	4	4	423X2	WING
4 TYPES	14	14	28	28	TOTALS	

PERSONNEL DATA (COB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
5	2	2	4	4	423X2	SQUAD #1
75	2	2	4	4	423X2	WING
2 TYPES	4	4	8	8	TOTALS	

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

ON-EQUIPMENT TASKS

TSAR TASK #(NETWORK)	TASK PROB	TASK DESCRIPTION
106	.0014	EJECTION SEAT SYSTEM

TOTAL NUMBER OF ON-EQUIPMENT TASK = 1
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.0014

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.4.7 TSAR SHOP #7 -- ENGINE

BEGINNING OF DAY SHIFT IS 0800. (CARD TYPE #18/1)
BREAK RATE MODIFIER = 75%. (CARD TYPE #18/2)

SHOP RESOURCE DATA (CARD TYPES #21 AND #22)

PERSONNEL DATA (MOB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
7	8	5	13	13	426X2	SQUAD #1
37	8	5	13	13	426X2	SQUAD #2
57	8	5	13	13	426X2	SQUAD #3
87	8	4	12	12	426X2	WING
4 TYPES	32	19	51	51	TOTALS	

PERSONNEL DATA (COB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
7	4	4	8	8	426X2	SQUAD #1
87	8	4	12	12	426X2	WING
2 TYPES	12	8	20	20	TOTALS	

AGE DATA (MOB)

TSAR AGE TYPE	NUMBER	TARGETED	DESCRIPTION
8	6	6	ENGINE CART
9	6	6	ENGINE STAND
10	10	10	ENGINE HOIST ASSEMBLY
3 TYPES	22	22	TOTALS

AGE DATA (COB)

TSAR AGE TYPE	NUMBER	TARGETED	DESCRIPTION
8	4	4	ENGINE CART
9	4	4	ENGINE STAND
10	6	6	ENGINE HOIST ASSEMBLY
3 TYPES	14	14	TOTALS

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

ON-EQUIPMENT TASKS

TSAR TASK # (NETWORK)	TASK PROB	TASK DESCRIPTION
258	.0509	TURBO FAN POWER PLANT SYSTEM
301	.0069	AUXILIARY POWER PLANT
343	.0087	AC POWER GENERATING SYSTEM

TOTAL NUMBER OF ON-EQUIPMENT TASK = 3
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.0665

PART REPAIR TASKS (CARD TYPE #8/1)

PART NO	WUC CODE	PART DESCRIPTION	TASK DESCRIPTION
63	23000	TURBO FAN POWER PLANT SYSTEM	RR POWER PLANT
64	23ALF	AFT SHROUD DRAIN SEAL	RR DRAIN SEAL
65	23AEO	SEAL ASSEMBLY, FAN AIR DUCT	REPAIR ASSEMBLY
66	23AMO	ENGINE TO NACELLE PYLON ASSY	REPAIR ASSEMBLY
67	23CBB	FAN FORWARD CASING	REPAIR CASING
68	23CPD	INTERTURBINE SEAL AND LINER	REPAIR SEAL
69	23CSD	C-SUMP REAR COVER	REMOVE COVER
70	23DCA	MAIN FUEL CONTROL	REPAIR CONTROL
71	23DCJ	MAIN FUEL FILTER	REPAIR FILTER
72	23DJL	AMPLIFIER CONTROL, T5	REPAIR CONTROL
73	23DKB	OIL FILLER TUBE	REPAIR TUBE
74	23DLF	LUBE FILTER ELEMENT	REPAIR ELEMENT
75	23GCA	GENERATOR, TACH CORE SPEED (NG)	REPAIR GENERATOR
76	23GCB	INDICATOR, TACH, CORE SPEED (NG)	REPAIR INDICATOR
77	23GCC	INDICATOR, TACH, FAN SPEED (NF)	REPAIR INDICATOR
78	23GEA	INDICATOR, INTERTURBINE TEMP	REPAIR INDICATOR
79	23GGB	INDICATOR, FUEL FLOW, LEFT ENGINE	REPAIR INDICATOR
80	23GGC	INDICATOR, FUEL FLOW, RIGHT ENG	REPAIR INDICATOR
81	23KAO	QUADRANT ASSEMBLY, ENGINE CONTROL	REPAIR ASSEMBLY
82	23CAC	FAN BLADE	REPAIR BLADE
83	23JAO	STARTER, AIR TURBINE	REPAIR STARTER
84	23JBA	VALVE, ENGINE START, SOLENOID	REPAIR VALVE
85	24AFA	FUEL CONTROL, ENGINE	RR FUEL CONTROL
86	24AHA	CONTROL, ELECTR., AUX POWER PLANT	REPAIR CONTROL
87	24AHE	THERMOCOUPLE, EGT, AUX POWER PLANT	REPAIR THERMOCPL
101	42A00	AC POWER GENERATING SYSTEM	REPAIR SYSTEM
102	42AA0	INTEGRATED DRIVE GENERATOR	REPAIR GENERATOR
103	42AEO	CONTROL UNIT, GENERATOR	REPAIR UNIT
359	14QBD	RODS, CONTROL, YAW CONTROL	REPLACE RODS
360	23DGJ	HOSE ASSY, FUEL CONTROL V.G ACT	REPLACE ASSEMBLY
361	23DKG	TUBE ASSY, LUBE PUMP TANK SCAVENGE	REPLACE ASSEMBLY
362	23JBJ	DUCTING, EXTERNAL AIR	REPLACE DUCTING
368	42F88	WIRING, AIRCRAFT	REPLACE WIRING

TOTAL NUMBER OF PART REPAIR TASKS = 33

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.4.17 TSAR SHOP #17 -- WEAPON CONTROL

BEGINNING OF DAY SHIFT IS 0800. (CARD TYPE #18/1)
BREAK RATE MODIFIER = 75%. (CARD TYPE #18/2)

SHOP RESOURCE DATA (CARD TYPES #21 AND #22)

PERSONNEL DATA (MOB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
17	18	6	24	24	462WO	SQUAD #1
47	18	6	24	24	462WO	SQUAD #2
67	18	6	24	24	462WO	SQUAD #3
70	3	3	6	6	462WO	WING
4 TYPES	57	21	78	78	TOTALS	

PERSONNEL DATA (COB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
17	6	3	9	9	462WO	SQUAD #1
70	3	3	6	6	462WO	WING
2 TYPES	9	6	15	15	TOTALS	

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

ON-EQUIPMENT TASKS

TSAR TASK # (NETWORK)	TASK PROB	TASK DESCRIPTION
1	.0769	FUSELAGE, FORWARD SECTION
395	.0058	LEFT HYDRAULIC POWER SYSTEM
625	.1101	GUN SYSTEM, 30MM
643	.0189	ARMAMENT CONTROL SYSTEM
653	.0227	PYLON, WING WEAPON STATION
664	.0015	CABLE ADAPTERS
668	.0111	RACKS

TOTAL NUMBER OF ON-EQUIPMENT TASK = 7
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.2470

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

PART REPAIR TASKS (CARD TYPE #8/1)

PART NO	WUC CODE	PART DESCRIPTION	TASK DESCRIPTION
2	11AFC	GLASS, SIDE WINDSHIELD, L.H./R.H.	REPAIR GLASS
3	11ALO	BALLAST, VARIABLE	REPAIR BALLAST
4	11ARB	F2, OXYGEN CONVERTER	REPAIR CONVERTER
5	11ARE	F5, SAFING AND GUN REMOVAL ACCESS	REPAIR ACCESS
6	11ARV	F14, ARMAMENT CIRCUIT BREAKER	REPAIR BREAKER
7	11ASH	F44, AVIONICS ACCESS	REPAIR ACCESS
8	11ASK	F61, INVERTER, BATTERY RELAY BOX	REPAIR INVERTER
9	11ASP	F65, BATTERY ACCESS	REPAIR ACCESS
10	11AST	F69, LADDER COMPARTMENT	REPAIR COMPART
11	11ATE	F103, AVIONICS ACCESS	REPAIR ACCESS
118	45A00	LEFT HYDRAULIC POWER SYSTEM	REPAIR SYSTEM
119	45AAA	PUMP, HYDRAULIC ENGINE DRIVEN	REPAIR PUMP
120	45ACL	VALVE, SYSTEM SHUT OFF	REPAIR VALVE
121	45ACT	ACCUMULATOR, BOOT STRAP	REPAIR ACCUMULAT.
122	45ADO	LEFT HYDRAULIC RESERVOIR ASSEMBLY	REPAIR ASSEMBLY
123	45AFD	HOSE, PRESSURE, ENGINE/FUSE PYLON	REPAIR HOSE
213	75AAO	GUN, 30 MM	REPAIR GUN
214	75ABO	DRUM, AMMUNITION	REPAIR DRUM
215	75ADO	GUN, 30 MM, OTHER	REPAIR GUN
216	75AFO	ACCESS UNIT, WEAPON DELIVERY	REPAIR UNIT
217	75ALO	BELT, CONVEYOR	REPAIR BELT
218	75AMO	WEAPON DELIVERY, OTHER	REPAIR OTHER
219	75ANO	WEAPON DELIVERY, OTHER	REPAIR OTHER
220	75ASO	ELECTRONIC CONTROL UNIT	REPAIR UNIT
221	75AUO	DRIVE SYSTEM	REPAIR SYSTEM
222	75AUB	DRIVE, HYDRAULIC MOTOR	REPAIR DRIVE
223	75AWO	TRANSFER UNIT	REPAIR UNIT
224	75BOO	ARMAMENT CONTROL SYSTEM	REPAIR SYSTEM
225	75BAO	PANEL, ARMAMENT CONTROL	REPAIR PANEL
226	75BAS	INDICATOR, STORES LOADING DISPLAY	REPAIR INDICATOR
227	75BCO	INTERSTATION CONTROL UNIT	REPAIR UNIT
228	75BDO	STATION CONTROL UNIT, TYPE A	REPAIR UNIT
229	75BEO	WEAPON DELIVERY, OTHER	REPAIR OTHER
230	75COO	EXTERNAL ARMAMENT SYSTEM	REPAIR SYSTEM
231	75CAO	PYLON, WING WEAPON STATION 1 & 11	REPAIR PYLON
232	75CCO	PYLON, WING WEAPON STATION 2 & 10	REPAIR PYLON
233	75CCF	SEAL ASSEMBLY, PYLON	REPAIR ASSEMBLY
234	75CDO	PYLON, WING WEAPON STATION 4 & 8	REPAIR PYLON
235	75DOO	CABLE ADAPTERS	REPAIR ADAPTERS
236	75DCO	TER-9 ADAPTER	REPAIR ADAPTERS
237	75DDO	LAU-88 ADAPTER	REPAIR ADAPTER
238	75FAO	BOMB RACK, MAU-40/A	REPAIR RACK
239	75FBO	BOMB RACK, MAU-50/A	REPAIR RACK
240	75FDO	TRIPLE-EJECTOR RACK TER-9A	RR RACK
352	11AFB	GLASS, CENTER WINDSHIELD	REPLACE GLASS

TOTAL NUMBER OF PART REPAIR TASKS = 40

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

AGE DATA (COB)

TSAR AGE TYPE	NUMBER	TARGETED	DESCRIPTION
2	4	4	OIL CART
5	10	10	B-1 MAINT STAND
6	18	18	B-4 MAINT STAND
7	14	14	C-1 MAINT STAND
11	6	6	AM32A-60 GENERATOR
12	5	5	MC-1A AIR COMPRESSOR
13	8	8	MC-2A AIR COMPRESSOR
14	11	11	AXLE JACK
15	20	20	WING JACK
18	5	5	LOX CART
10 TYPES	101	101	TOTALS

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

ON-EQUIPMENT TASKS

TSAR TASK #(NETWORK)	TASK PROB	TASK DESCRIPTION
92	.0085	CANOPY INSTALLATION
112	.0128	MAIN LANDING GEAR
179	.0037	ROLL CONTROL SYSTEM
192	.0081	PITCH CONTROL SYSTEM
209	.0053	YAW CONTROL SYSTEM
217	.0028	TRAILING EDGE FLAP SYSTEM
234	.0022	SPEED BRAKE SYSTEM
241	.0056	LEADING EDGE SLAT SYSTEM

TOTAL NUMBER OF ON-EQUIPMENT TASK = 8
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.0490

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

PART REPAIR TASKS (CARD TYPE #8/1)

PART NO	WUC CODE	PART DESCRIPTION	TASK DESCRIPTION
32	12GGA	ACTUATOR ASSY. CANOPY	RR ACT ASSEMBLY
35	13A00	MAIN LANDING GEAR	REPAIR GEAR
36	13ADO	ACTUATOR, MAIN LAND GEAR RETRACT	REPAIR ACTUATOR
45	14CCA	ACTUATOR, AILERON	REPAIR ACTUATOR
46	14CDA	ACTUATOR, SERVO TAB SHIFTER	REPAIR ACTUATOR
47	14CDB	ACTUATOR, TRIM STEPPER	REPAIR ACTUATOR
48	14EOO	PITCH CONTROL SYSTEM	REPAIR SYSTEM
49	14EAO	ELEVATOR ASSEMBLY, L.H./R.H.	REPAIR ASSEMBLY
50	14EAA	TAB TRIM	RR TAB TRIM
51	14EBM	TORQUESHAF, ELEVATOR ACTUATOR	REPAIR TORQUESHFT
52	14ECA	ACTUATOR, ELEVATOR	REPAIR ACTUATOR
53	14EDA	ACTUATOR, PITCH TRIM	REPAIR ACTUATOR
54	14EDB	ACTUATOR, PITCH TRIM TAB	REPAIR ACTUATOR
55	14GAO	RUDDER ASSEMBLY, L.H./R.H.	REPAIR ASSEMBLY
56	14GCA	ACTUATOR, RUDDER	REPAIR ACTUATOR
57	14KAO	FLAP ASSEMBLY, INBOARD	REPAIR ASSEMBLY
58	14KBO	FLAP ASSEMBLY, OUTBOARD	REPAIR ASSEMBLY
59	14KDA	ACTUATOR, FLAP	REPAIR ACTUATOR
60	14NAO	SLAT ASSEMBLY	REPAIR ASSEMBLY
61	14NCA	ACTUATOR, SLAT	REPAIR ACTUATOR
62	14NCB	VALVE ASSEMBLY, CONTROL	REPAIR ASSEMBLY
355	14CAO	AILERON ASSY, L.H./R.H.	REPLACE AILERON
356	14CBA	RODS, CONTROL, ROLL CONTROL	REPLACE RODS
357	14EBF	RODS, CONTROL, PITCH CONTROL	REPLACE RODS
358	14EBG	CABLE, CONTROL, PITCH CONTROL	REPLACE CABLE
373	13AAA	DOOR, MAIN LAND GEAR AFT, L.H./R.H	REPLACE DOOR
374	13BAA	DOOR, NOSE LAND GEAR AFT	REPLACE DOOR
375	13BAG	DOOR, NOSE LAND GEAR FORWARD	REPLACE DOOR

TOTAL NUMBER OF PART REPAIR TASKS = 28

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

SHOP TASK DATA (CARD TYPES #5, #7, #8, AND #10)

ON-EQUIPMENT TASKS

TSAR TASK # (NETWORK)	TASK PROB	TASK DESCRIPTION
420	.0036	FUEL TANK INSTALLATION
429	.0053	AERIAL REFUELING RECEPTACLE
435	.0023	FUEL VENT/PRESSURE INSTALLAT
448	.0025	FUEL FEED SYSTEM
457	.0026	GROUND REFUELING SYSTEM

TOTAL NUMBER OF ON-EQUIPMENT TASK = 5
CUMULATIVE ON-EQUIPMENT PROBABILITY = 0.0163

PART REPAIR TASKS (CARD TYPE #8/1)

PART NO	WUC CODE	PART DESCRIPTION	TASK DESCRIPTION
127	46EAO	FUEL TANK, EXTERNAL, 600 GAL	RR FUEL TANK
128	46BDA	RELAY ELECTRICAL, FUEL SYSTEM	REPAIR RELAY
129	46BDK	AMPLIFIER, SIGNAL, FUEL SYSTEM	REPAIR AMP
132	46EAO	PUMP ASSY, LEFT/RIGHT MAIN TANK	REPAIR ASSEMBLY
133	46FBF	VALVE, RIGHT WING PILOT SHUTOFF	REPAIR VALVE
369	45A66	TUBING, AIRCRAFT	REPLACE TUBING
370	46AAA	CELL, FUEL, LEFT	REPLACE CELL
371	46ABA	CELL, FUEL, RIGHT	REPLACE CELL
372	46CAD	LINES, VENT/PRESSURE, AER REFUEL	REPLACE LINES

TOTAL NUMBER OF PART REPAIR TASKS = 9

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

II.1.4.24 TSAR SHOP #24 -- N.D.I./CORR. CNTL/PARACHUTE

BEGINNING OF DAY SHIFT IS 0800. (CARD TYPE #18/1)
BREAK RATE MODIFIER = 75%. (CARD TYPE #18/2)

SHOP RESOURCE DATA (CARD TYPES #21 AND #22)

PERSONNEL DATA (MOB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
24	6	5	11	11	582X1	WING
25	4	4	8	8	531X5	WING
26	8	5	13	13	531X4	WING
3 TYPES	18	14	32	32	TOTALS	

PERSONNEL DATA (COB)

PERSONNEL TYPE	DAY SHIFT	NIGHT SHIFT	TOTAL	TARGETED	AFSC	DESCRIPTION
24	6	5	11	11	582X1	WING
25	4	4	8	8	531X5	WING
26	8	5	13	13	531X4	WING
3 TYPES	18	14	32	32	TOTALS	

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.5.9 TASK #92 NETWORK

12G** -- CANOPY SYSTEM

SUBTASK	PROB	PERSONNEL				AGE		PART NO.	TIME	DIS
		TEAM 1 TYP #	TEAM 2 TYP #			#1	#2			
93	.330	21 2	- -	-	-	-	-	-	96	0
94	.380	5 2	- -	-	-	6	-	-	3	0
95	.110	3 1	- -	-	-	-	-	-	246	0
96	.020	18 1	- -	-	-	-	-	-	24	0
97	.020	2 1	- -	-	-	-	-	-	222	0
98	.050	1 2	- -	-	-	-	-	-	72	0
99	.420	21 2	- -	-	-	-	-	-	216	0
100	.250	3 1	- -	-	-	-	-	-	330	0
101	.250	4 2	- -	-	-	-	-	-	168	0
102	.050	1 2	- -	-	-	-	-	-	114	0
103	.400	21 2	- -	-	-	-	-	-	192	0
104	.850	- -	- -	-	-	-	-	-	-	0
105	.260	- -	- -	-	-	-	-	32	-	0

TOTAL NUMBER OF SUBTASKS = 13

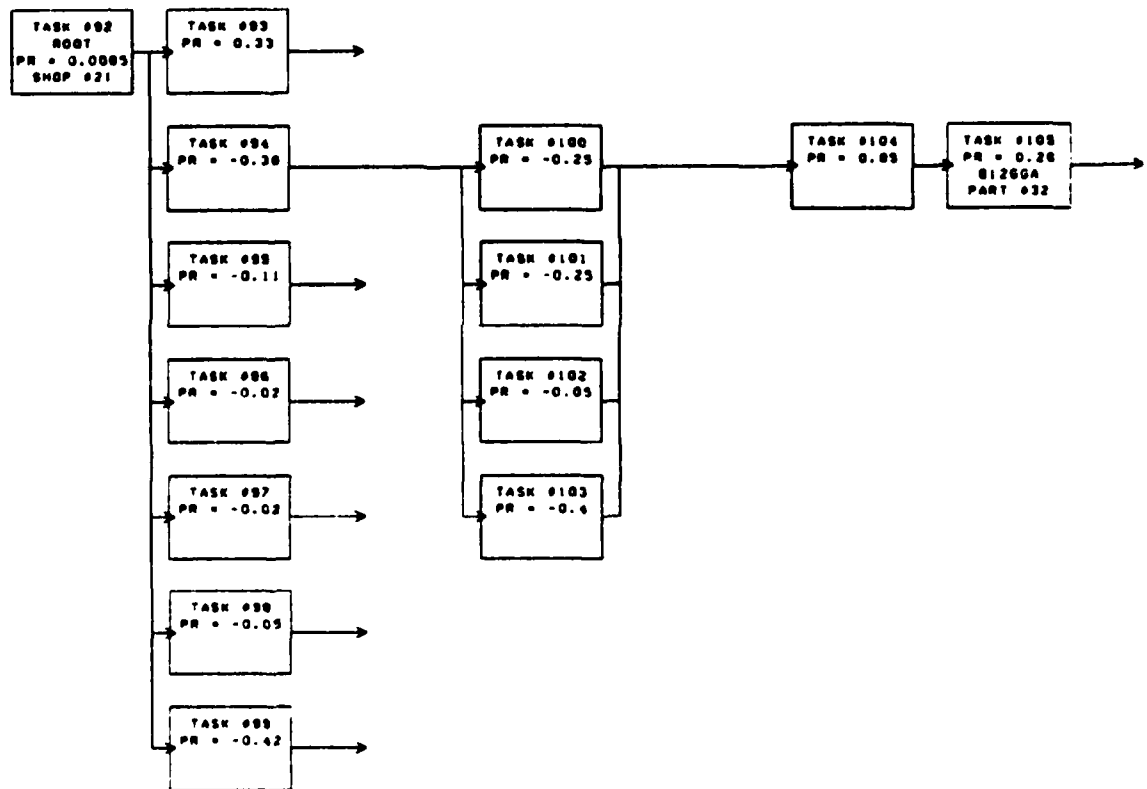


FIGURE 10

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.5.10 TASK #106 NETWORK

12M --EJECTION SEAT SYSTEM**

SUBTASK	PROB	PERSONNEL				AGE		PART NO.	TIME	DIS
		TEAM 1		TEAM 2		#1	#2			
107	1.000	5	2	-	-	-	-	-	132	0
108	1.000	5	2	-	-	7	-	-	231	0

TOTAL NUMBER OF SUBTASKS = 2

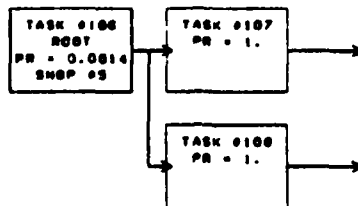


FIGURE 11

III.1.5.11 TASK #109 NETWORK

130 -- LANDING GEAR**

SUBTASK	PROB	PERSONNEL				AGE		PART NO.	TIME	DIS
		TEAM 1		TEAM 2		#1	#2			
730	-.360	11	1	-	-	-	-	250	-	0
110	-.360	11	1	-	-	-	-	251	-	0
111	-.270	21	1	-	-	-	-	34	-	0

TOTAL NUMBER OF SUBTASKS = 3

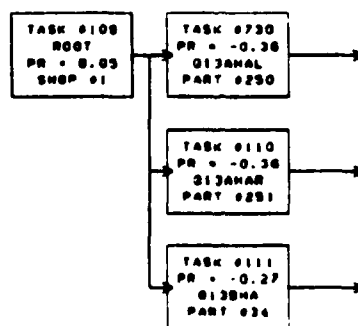


FIGURE 12

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.5.87 SIMPLE TASKS - 806, 809, 810, 811, 812

SUBTASK	PROB	PERSONNEL				AGE		PART NO.	TIME	DIS	DESCRIPTION
		TEAM 1	TEAM 2			#1	#2				
		TYP	#	TYP	#						
806	SCHED	17	2	-	-	-	-	-	90	O	36000 RDS GUN BARREL
809	SCHED	17	2	-	-	-	-	-	30	O	3000 RDS GUN INSPECT
810	SCHED	17	2	-	-	-	-	-	60	O	6000 RDS GUN INSPECT
811	SCHED	17	2	-	-	-	-	-	1440	O	25000 RDS GUN INSPECT
812	SCHED	4	1	-	-	-	-	-	120	O	200 HR OXY PURGE

** THESE ARE SIMPLE TASKS, THEREFORE NO NETWORKS FOLLOW

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.5.88 AIRCRAFT BATTLE DAMAGE TASKS

III.1.5.88.1 TASK # 975 -- MISSION BATTLE DAMAGE ASSESSMENT -

SUBTASK	PROB X 1000	PERSONNEL		PERSONNEL		AGE		PART NO.	TIME	DIS
		TEAM 1	TEAM 2	TEAM 1	TEAM 2	#1	#2			
		TYP	N	TYP	N					
976	-149	41	2	--	--	--	--	--	90	0
977	-111	41	2	--	--	--	--	--	180	0
978	-111	41	2	--	--	--	--	--	90	0
979	-148	41	2	--	--	--	--	--	90	0
980	-74	41	2	--	--	--	--	--	360	0
981	-37	41	2	--	--	--	--	--	90	0
982	-37	41	2	--	--	--	--	--	90	0
983	-37	41	2	--	--	--	--	--	90	0
984	-37	41	2	--	--	--	--	--	540	0
985	-74	41	2	--	--	--	--	--	540	0
986	-37	41	2	--	--	--	--	--	360	0
987	-74	41	2	--	--	--	--	--	360	0
988	-74	41	2	--	--	--	--	--	180	0

III.1.5.88.2 TASK #989 -- AIRBASE BATTLE DAMAGE ASSESSMENT -

SUBTASK	PROB X 1000	PERSONNEL		PERSONNEL		AGE		PART NO.	TIME	DIS
		TEAM 1	TEAM 2	TEAM 1	TEAM 2	#1	#2			
		TYP	N	TYP	N					
990	-125	41	2	--	--	--	--	--	90	0
991	-125	41	2	--	--	--	--	--	90	0
992	-95	41	2	--	--	--	--	--	90	0
993	-125	41	2	--	--	--	--	--	90	0
994	-126	41	2	--	--	--	--	--	270	0
995	-31	41	2	--	--	--	--	--	90	0
996	-31	41	2	--	--	--	--	--	90	0
997	-62	41	2	--	--	--	--	--	90	0
998	-62	41	2	--	--	--	--	--	270	0
999	-31	41	2	--	--	--	--	--	540	0
1000	-62	41	2	--	--	--	--	--	270	0
1001	-94	41	2	--	--	--	--	--	270	0
1002	-31	41	2	--	--	--	--	--	180	0

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.5.88.3 BATTLE DAMAGE REPAIR TASKS -

SUBTASK	PROB X 1000	PERSONNEL				AGE		PART NO.	TIME	DIS
		TEAM 1	TEAM 2			#1	#2			
		TYP	#	TYP	#					
1003	260	--	--	--	--	--	--	--	--	0
1004	-330	21	2	--	--	--	--	--	66	0
1005	-330	21	2	--	--	--	--	--	66	0
1006	-340	1	2	--	--	--	--	355	252	0
1007	260	--	--	--	--	--	--	--	--	0
1008	-500	--	--	--	--	--	--	--	--	0
1009	-500	21	2	--	--	--	--	--	216	0
1010	-500	1	2	--	--	--	--	--	120	0
1011	-500	1	2	--	--	--	--	356	66	0
1012	120	--	--	--	--	--	--	--	--	0
1013	-500	2	2	--	--	--	--	--	300	0
1014	-500	17	4	--	--	--	--	232	642	0
1015	110	--	--	--	--	--	--	--	--	0
1016	-500	6	1	--	--	--	--	--	48	0
1017	-500	6	2	--	--	--	--	123	246	0
1018	110	--	--	--	--	--	--	--	--	0
1019	-500	6	1	--	--	--	--	--	48	0
1020	-500	6	2	--	--	--	--	369	360	0
1021	260	--	--	--	--	--	--	--	--	0
1022	-500	21	2	--	--	--	--	--	300	0
1023	-500	1	2	--	--	4	--	57	192	0
1024	870	--	--	--	--	--	--	--	--	0
1025	-500	21	2	--	--	--	--	--	480	0
1026	-500	21	2	--	--	--	--	--	1080	0
1027	870	--	--	--	--	--	--	--	--	0
1028	-340	21	2	--	--	--	--	--	240	0
1029	-330	21	2	--	--	--	--	--	480	0
1030	-330	21	2	--	--	--	--	--	1080	0
1031	870	21	2	--	--	--	--	--	360	0
1032	870	21	2	--	--	--	--	--	360	0
1033	870	21	2	--	--	--	--	--	960	0
1034	870	1	2	--	--	--	--	--	120	0
1035	870	21	2	--	--	--	--	--	360	0
1036	870	--	--	--	--	--	--	--	--	0
1037	-340	21	2	--	--	--	--	--	240	0
1038	-330	21	2	--	--	--	--	--	480	0
1039	-330	21	2	--	--	--	--	--	1080	0
1040	870	21	2	--	--	--	--	--	300	0
1041	1000	--	--	--	--	--	--	--	--	0
1042	120	--	--	--	--	--	--	--	--	0
1043	-340	--	--	--	--	--	--	--	--	0
1044	-900	3	2	--	--	--	--	--	48	0
1045	-100	3	2	--	--	--	--	368	480	0
1046	-330	--	--	--	--	--	--	--	--	0
1047	-800	3	1	--	--	--	--	--	138	0
1048	-200	3	2	--	--	--	--	368	960	0
1049	-330	--	--	--	--	--	--	--	--	0
1050	-500	3	2	--	--	--	--	--	720	0
1051	-500	3	2	--	--	--	--	368	1920	0
1053	110	--	--	--	--	--	--	--	--	0
1054	110	--	--	--	--	--	--	--	--	0
1055	870	2	2	--	--	--	--	--	480	0
1056	870	--	--	--	--	--	--	--	--	0
1057	-340	2	2	--	--	--	--	--	240	0
1058	-330	2	2	--	--	--	--	--	480	0
1059	-330	2	2	--	--	--	--	--	1080	0

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

BATTLE DAMAGE REPAIR TASKS (CONTINUED)

SUBTASK	PROB X 1000	PERSONNEL		TEAM 2		AGE		PART NO.	TIME	DIS
		TEAM 1		TYP	#	#1	#2			
1060	870	2	2	--	--	--	--	--	360	0
1061	870	2	2	--	--	--	--	--	360	0
1062	870	2	2	--	--	--	--	--	360	0
1063	870	2	2	--	--	--	--	--	300	0
1064	870	2	2	--	--	--	--	--	360	0
1065	870	--	--	--	--	--	--	--	--	0
1066	-340	2	2	--	--	--	--	--	240	0
1067	-330	2	2	--	--	--	--	--	480	0
1068	-330	2	2	--	--	--	--	--	1080	0
1069	870	2	2	--	--	--	--	--	300	0
1070	260	--	--	--	--	--	--	--	--	0
1071	-340	21	1	--	--	--	--	--	66	0
1072	-330	21	2	--	--	--	--	--	66	0
1073	-330	1	2	--	--	--	--	55	276	0
1074	260	--	--	--	--	--	--	--	--	0
1075	-500	--	--	--	--	--	--	--	--	0
1076	-500	21	2	--	--	--	--	--	216	0
1077	-500	1	2	--	--	--	--	--	120	0
1078	-500	1	2	--	--	--	--	359	240	0
1080	260	--	--	--	--	--	--	--	--	0
1081	-340	21	1	--	--	--	--	--	66	0
1082	-330	21	2	--	--	--	--	--	66	0
1083	-330	1	2	--	--	--	--	49	282	0
1084	260	--	--	--	--	--	--	--	--	0
1085	-500	--	--	--	--	--	--	--	--	0
1086	-500	21	2	--	--	--	--	--	216	0
1087	-500	1	2	--	--	--	--	--	120	0
1088	-500	1	3	--	--	--	--	357	456	0
1089	870	2	2	--	--	--	--	--	360	0
1090	870	2	2	--	--	--	--	--	360	0
1091	870	2	2	--	--	--	--	--	360	0
1092	260	--	--	--	--	--	--	--	--	0
1093	-500	--	--	--	--	--	--	--	--	0
1094	-500	21	2	--	--	--	--	--	300	0
1095	-500	1	2	--	--	--	--	--	120	0
1096	-500	1	4	--	--	--	--	358	912	0
1097	870	--	--	--	--	--	--	--	--	0
1098	-340	2	2	--	--	--	--	--	240	0
1099	-330	2	2	--	--	--	--	--	480	0
1100	-330	2	2	--	--	--	--	--	1080	0
1101	870	2	2	--	--	--	--	--	1080	0
1103	870	2	2	--	--	--	--	--	360	0
1104	870	2	2	--	--	--	--	--	240	0
1105	870	2	2	--	--	--	--	--	360	0
1106	870	2	2	--	--	--	--	--	300	0
1107	90	--	--	--	--	--	--	--	--	0
1108	-500	21	2	--	--	--	--	--	66	0
1109	-500	1	3	--	--	--	--	373	360	0
1110	90	--	--	--	--	--	--	--	--	0
1111	-500	6	1	--	--	--	--	--	48	0
1112	-500	6	2	--	--	--	--	353	324	0
1113	90	--	--	--	--	--	--	--	--	0
1114	-500	6	1	--	--	--	--	--	48	0
1115	-500	6	3	--	--	--	--	354	258	0
1116	90	--	--	--	--	--	--	--	--	0
1117	-500	21	2	--	--	--	--	--	66	0
1118	-500	1	3	--	--	--	--	374	360	0

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

BATTLE DAMAGE REPAIR TASKS (CONTINUED)

SUBTASK	PROB X 1000	PERSONNEL				AGE		PART NO.	TIME	DIS
		TEAM 1		TEAM 2		#1	#2			
		TYP	N	TYP	N					
1119	90	--	--	--	--	--	--	--	--	0
1120	-500	21	2	--	--	--	--	--	66	0
1121	-500	1	3	--	--	--	--	375	360	0
1123	90	--	--	--	--	--	--	--	--	0
1124	90	--	--	--	--	--	--	--	--	0
1125	90	--	--	--	--	--	--	--	--	0
1126	90	--	--	--	--	--	--	--	--	0
1128	870	2	2	--	--	--	--	--	30	0
1129	870	2	2	--	--	--	--	--	360	0
1130	870	2	2	--	--	--	--	--	360	0
1131	870	2	2	--	--	--	--	--	360	0
1132	10	6	1	--	--	--	--	--	48	0
1135	120	--	--	--	--	--	--	--	--	0
1136	110	--	--	--	--	--	--	--	--	0
1137	110	--	--	--	--	--	--	--	--	0
1138	260	--	--	--	--	--	--	--	--	0
1139	260	--	--	--	--	--	--	--	--	0
1140	-340	21	1	--	--	--	--	--	66	0
1141	-330	21	2	--	--	--	--	--	66	0
1142	-330	1	2	--	--	--	--	60	354	0
1143	870	--	--	--	--	--	--	--	--	0
1144	-340	2	2	--	--	--	--	--	240	0
1145	-330	2	2	--	--	--	--	--	480	0
1146	-330	2	2	--	--	--	--	--	1080	0
1147	870	2	2	--	--	--	--	--	480	0
1148	870	2	2	--	--	--	--	--	960	0
1149	870	2	2	--	--	--	--	--	360	0
1150	870	2	2	--	--	--	--	--	360	0
1152	60	--	--	--	--	--	--	--	--	0
1153	-500	4	1	--	--	--	--	--	48	0
1154	-500	4	2	--	--	--	--	363	156	0
1155	60	--	--	--	--	--	--	--	--	0
1156	-500	4	1	--	--	--	--	--	48	0
1157	-500	4	2	--	--	--	--	364	162	0
1158	60	--	--	--	--	--	--	--	--	0
1159	-500	4	1	--	--	--	--	--	48	0
1160	-500	4	2	--	--	--	--	366	258	0
1161	60	--	--	--	--	--	--	--	--	0
1162	-500	4	1	--	--	--	--	--	48	0
1163	-500	4	2	--	--	--	--	367	240	0
1164	870	2	2	--	--	--	--	--	360	0
1165	870	2	2	--	--	--	--	--	720	0
1166	870	2	2	--	--	--	--	--	720	0
1167	870	2	2	--	--	--	--	--	300	0
1168	870	2	2	--	--	--	--	--	300	0
1169	870	2	2	--	--	--	--	--	300	0
1173	280	--	--	--	--	--	--	--	--	0
1174	-500	23	2	--	--	--	--	--	720	0
1175	-500	23	3	--	--	--	--	370	4692	0
1176	280	--	--	--	--	--	--	--	--	0
1177	-500	23	2	--	--	--	--	--	1080	0
1178	-500	23	3	--	--	--	--	371	3900	0
1179	280	--	--	--	--	--	--	--	--	0
1180	-500	23	1	--	--	--	--	--	48	0
1181	-500	23	4	--	--	--	--	372	468	0
1182	870	2	2	--	--	--	--	--	360	0
1183	870	2	2	--	--	--	--	--	360	0

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

BATTLE DAMAGE REPAIR TASKS (CONTINUED)

SUBTASK	PROB X 1000	PERSONNEL				AGE		PART NO.	TIME	DIS
		TEAM 1 TYP	#	TEAM 2 TYP	#	#1	#2			
1184	870	2	2	--	--	--	--	--	360	0
1185	870	23	2	--	--	--	--	--	240	0
1186	870	2	2	--	--	--	--	--	300	0
1187	870	2	2	--	--	--	--	--	300	0
1189	170	--	--	--	--	--	--	--	--	0
1190	-500	7	1	--	--	--	--	--	48	0
1191	-500	7	3	--	--	--	--	360	216	0
1192	170	--	--	--	--	--	--	--	--	0
1193	-500	7	1	--	--	--	--	--	48	0
1194	-500	7	2	--	--	--	--	361	330	0
1195	170	--	--	--	--	--	--	--	--	0
1196	-500	7	1	--	--	--	--	--	48	0
1197	-500	7	1	--	--	--	--	362	120	0
1198	870	21	2	--	--	--	--	--	300	0
1199	870	21	2	--	--	--	--	--	360	0
1200	870	21	2	--	--	--	--	--	360	0
1201	870	21	2	--	--	--	--	--	300	0
1202	870	21	2	--	--	--	--	--	240	0
1203	870	21	2	--	--	--	--	--	360	0
1206	870	--	--	--	--	--	--	--	--	0
1207	-500	2	2	--	--	--	--	--	180	0
1208	-500	1	3	--	--	--	--	352	450	0
1209	870	--	--	--	--	--	--	--	--	0
1210	-500	2	2	--	--	--	--	--	180	0
1211	-500	1	3	--	--	--	--	2	450	0
1212	870	2	2	--	--	--	--	--	360	0
1213	30	1	2	--	--	--	--	--	84	0
1214	30	--	--	--	--	--	--	--	--	0
1215	-500	21	2	--	--	--	--	--	180	0
1216	-500	1	2	6	1	--	--	376	672	0
1217	60	--	--	--	--	--	--	--	--	0
1218	-500	4	1	--	--	--	--	--	48	0
1219	-500	4	2	--	--	--	--	365	84	0
1221	30	1	2	--	--	--	--	--	102	0

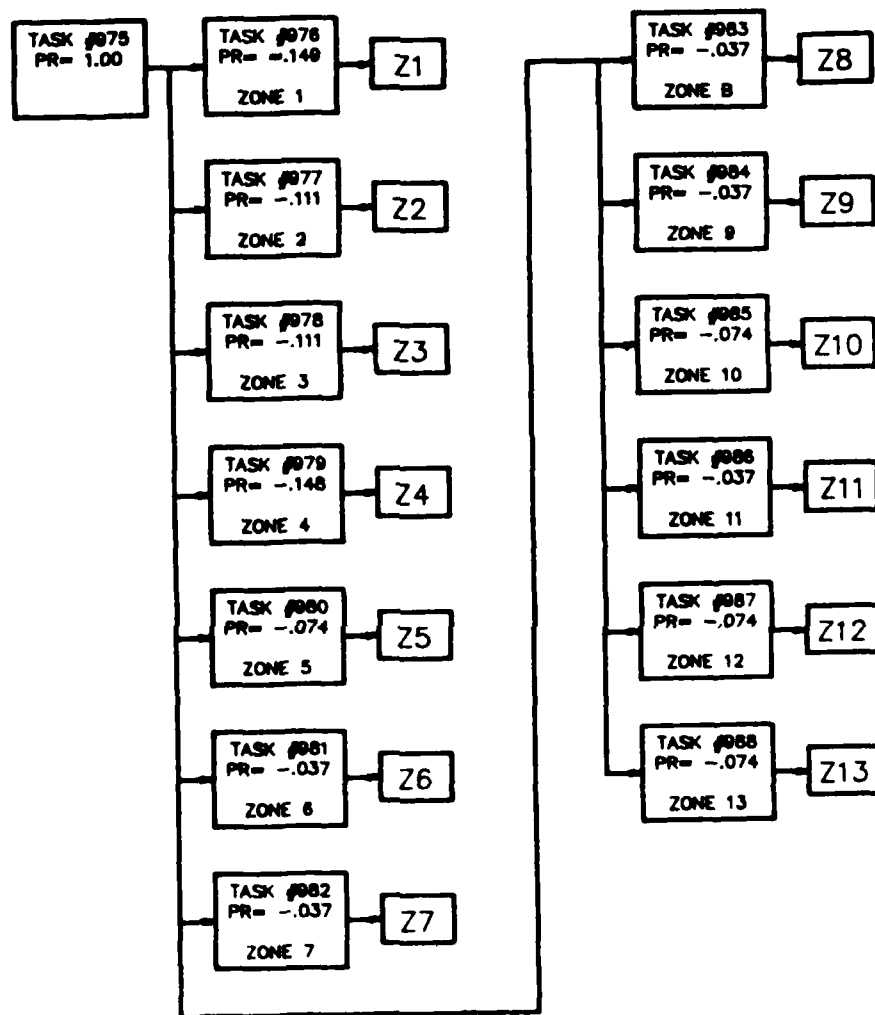


FIGURE 86-a

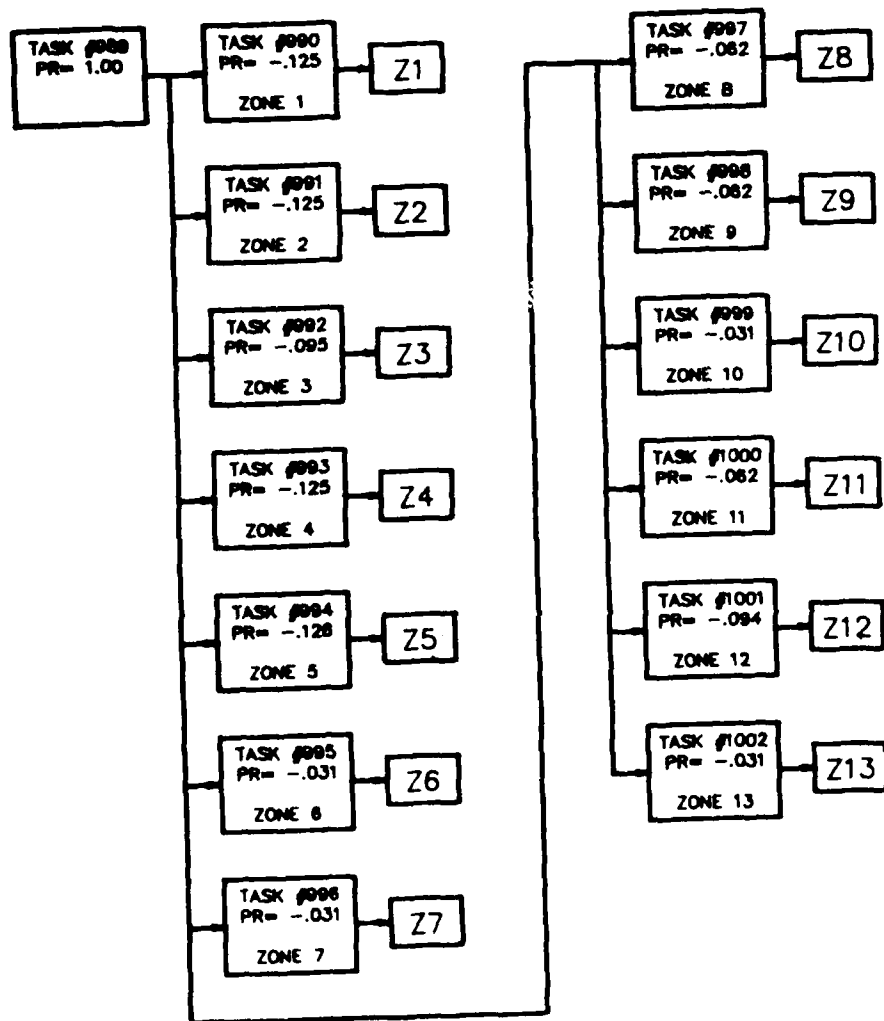


FIGURE 86-D

ZONE 1

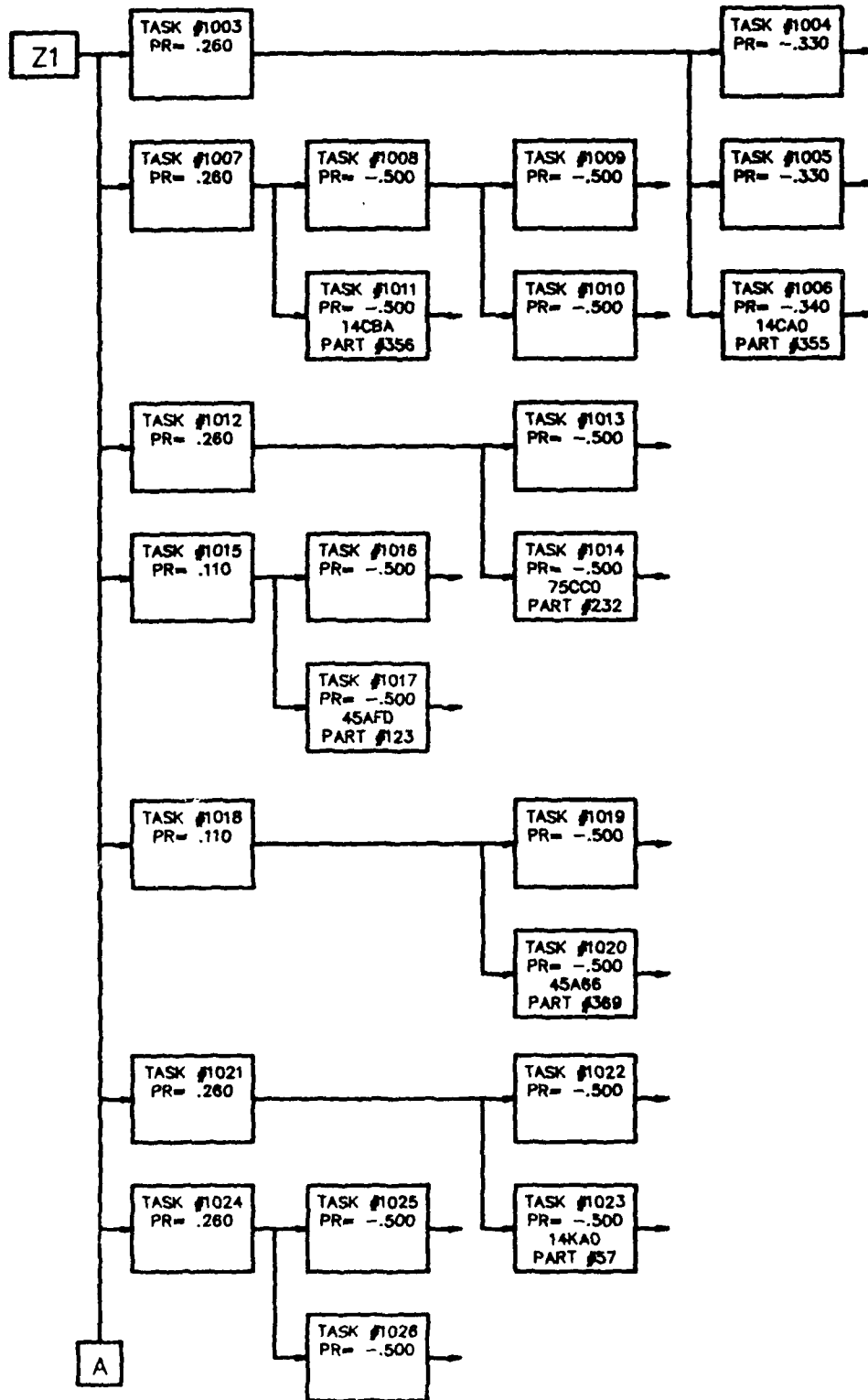


FIGURE 86-c

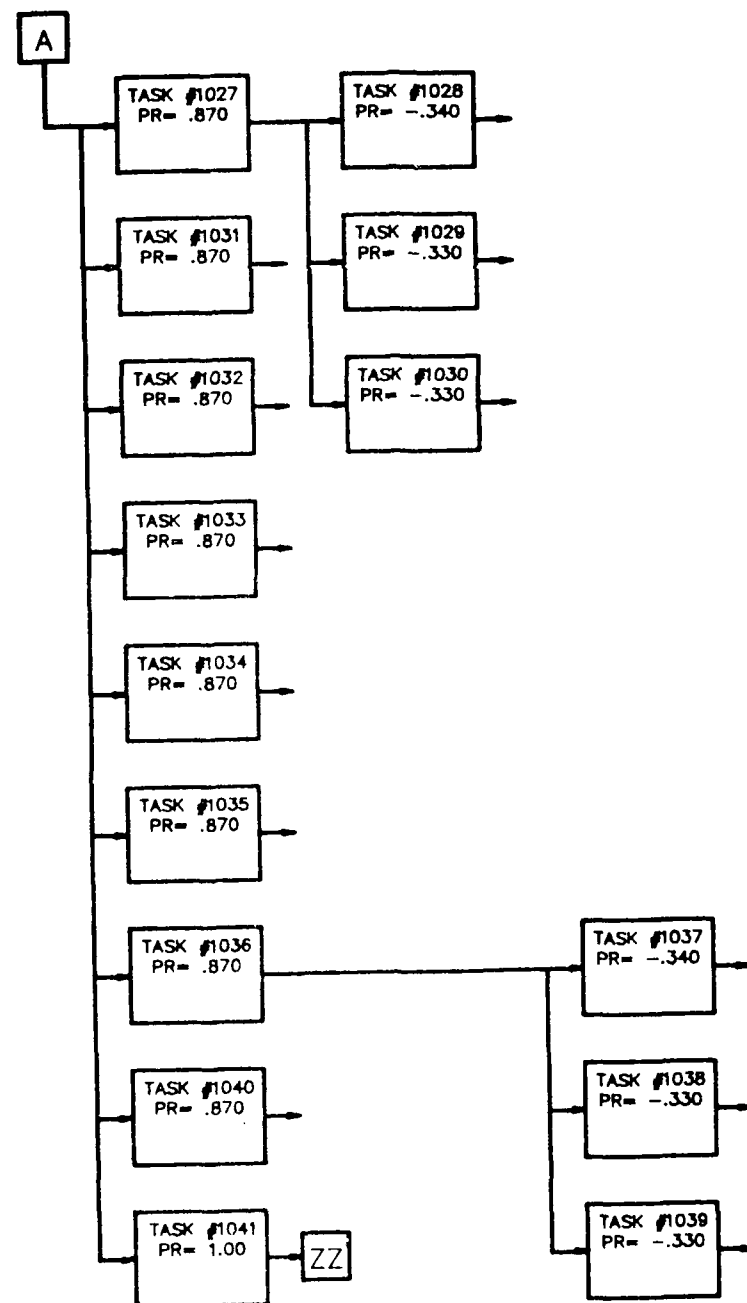


FIGURE 86-a

ZONE 2

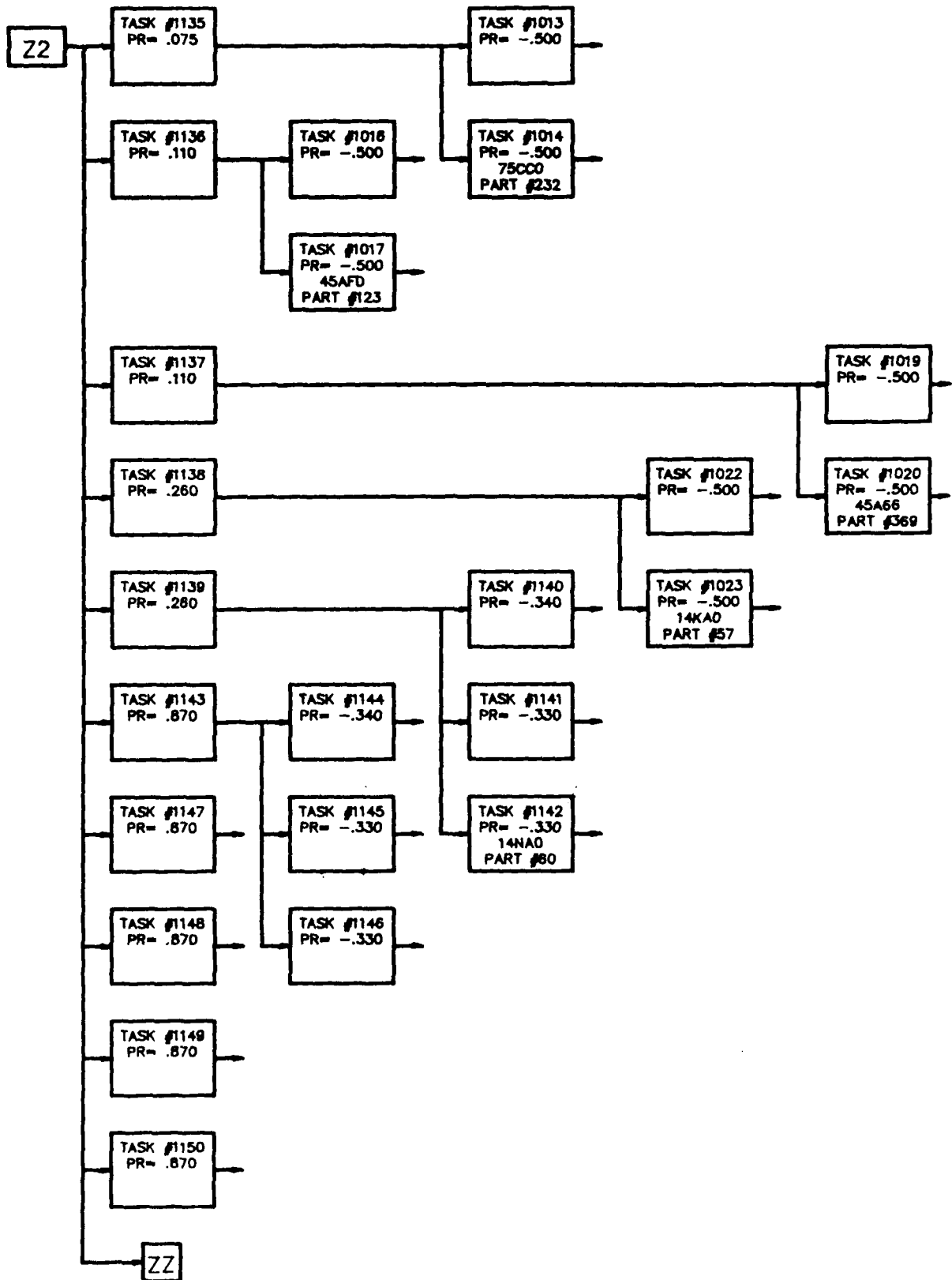


FIGURE 86-e

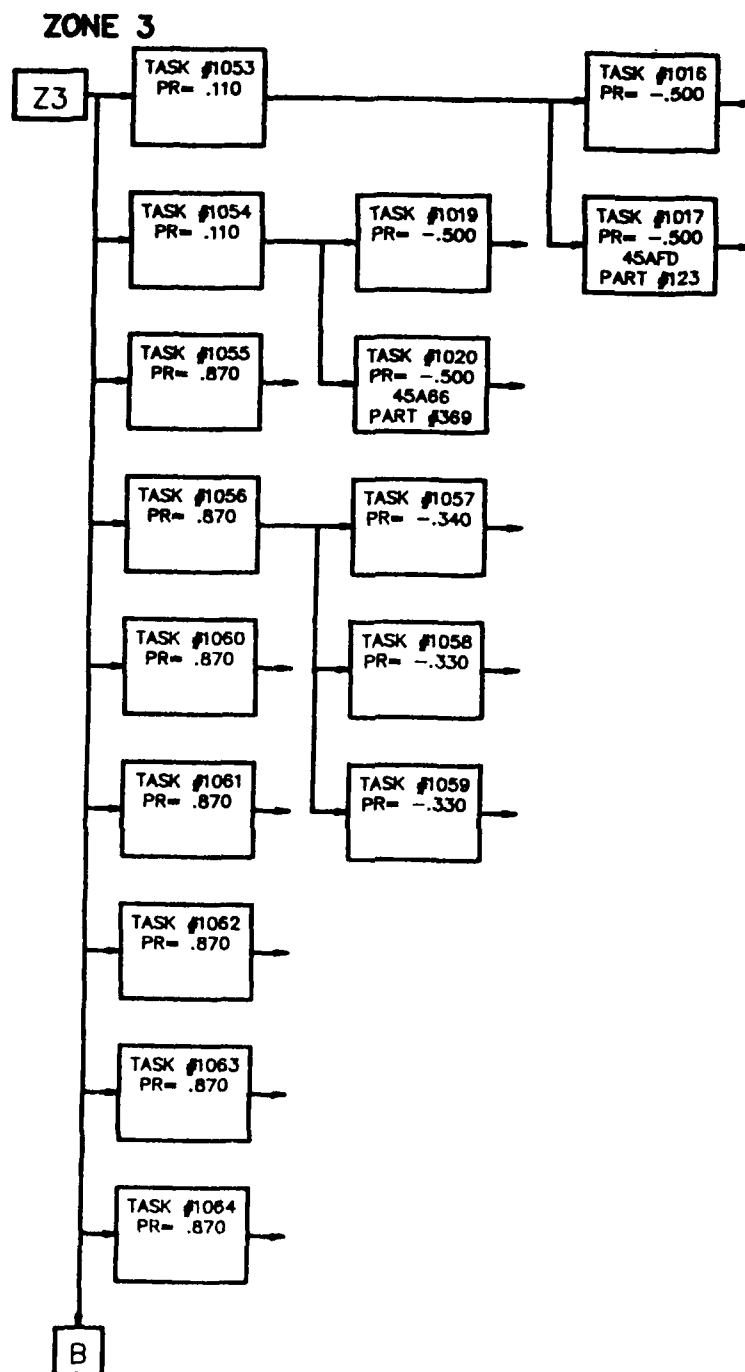


FIGURE 86-f

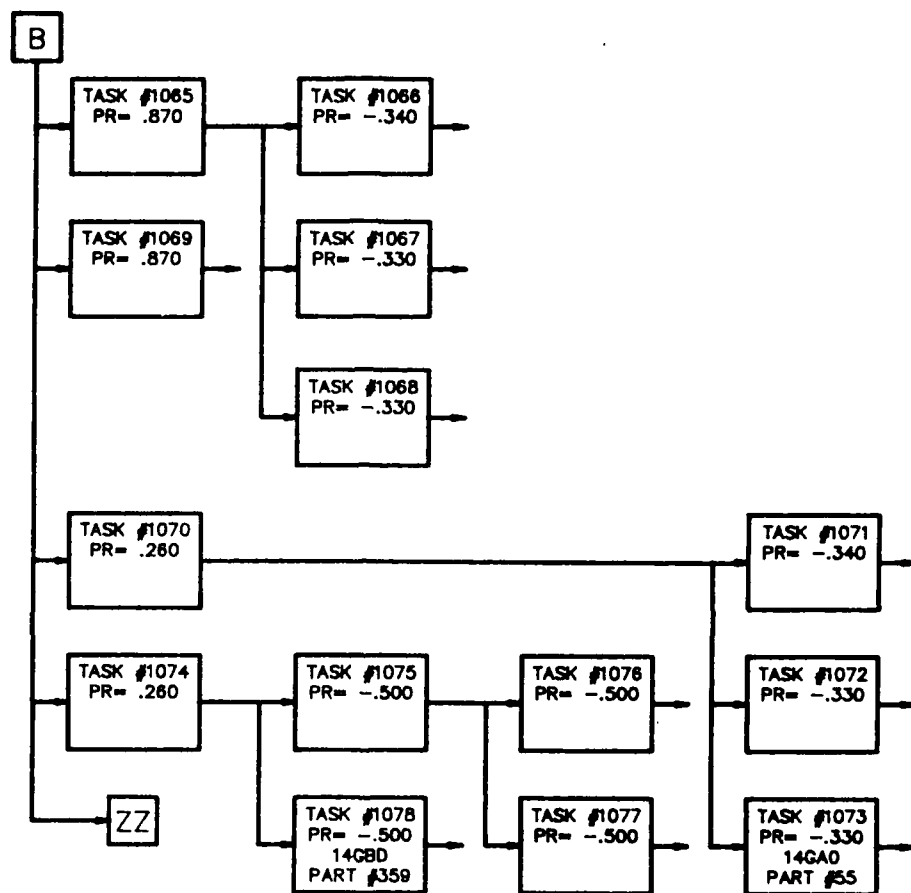


FIGURE 86-g

ZONE 4

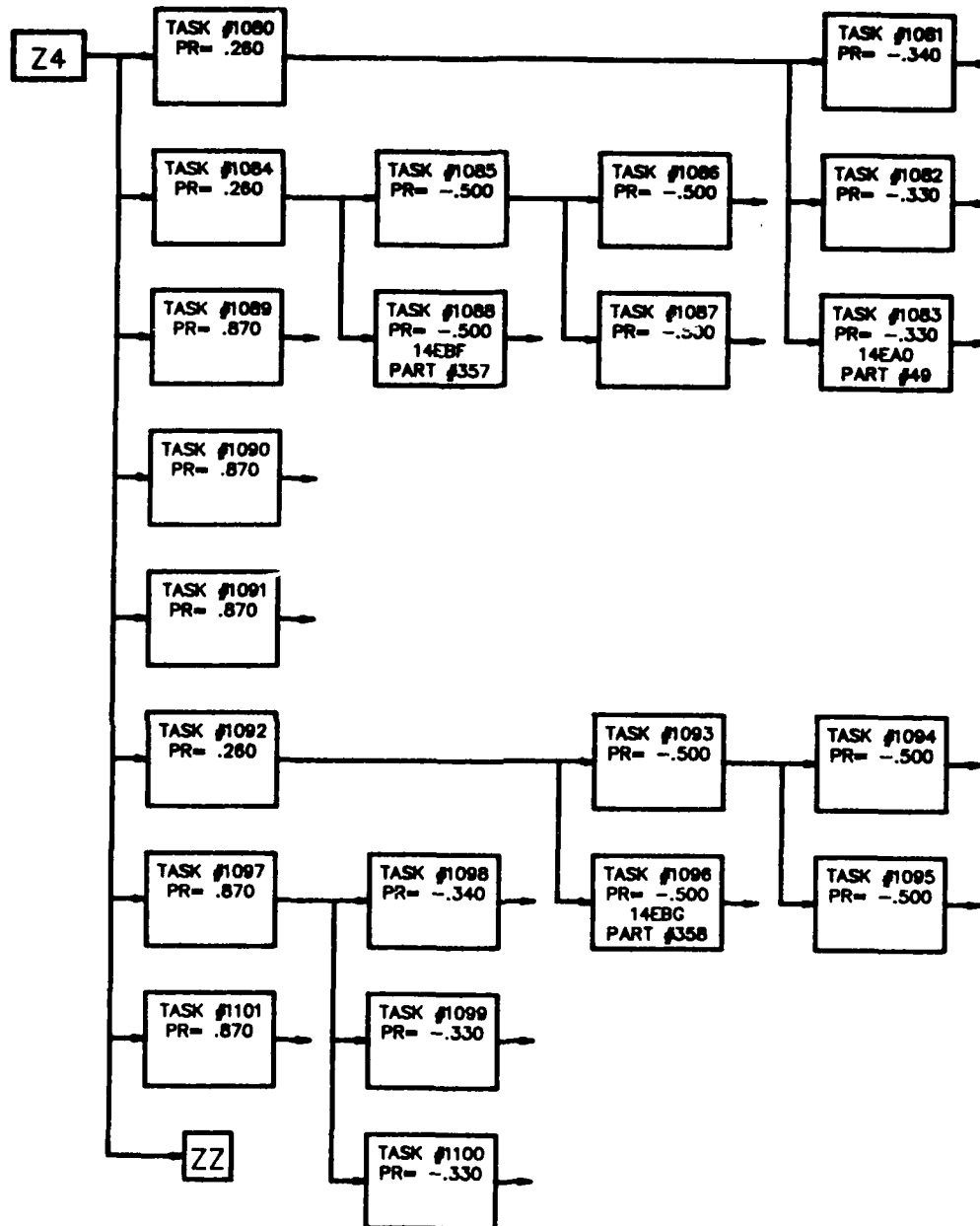


FIGURE 86-h

ZONE 5

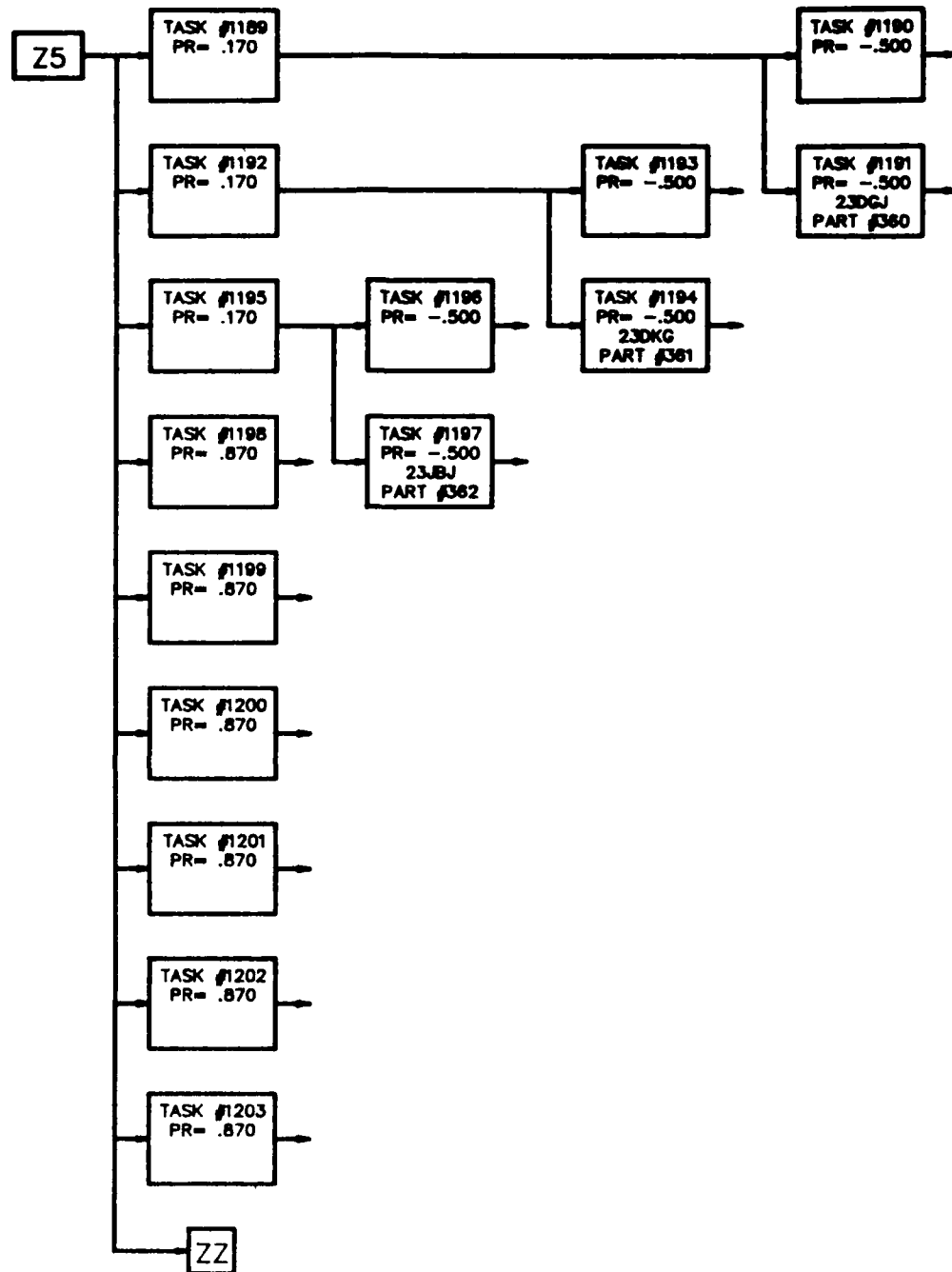


FIGURE 86-1

ZONE 6

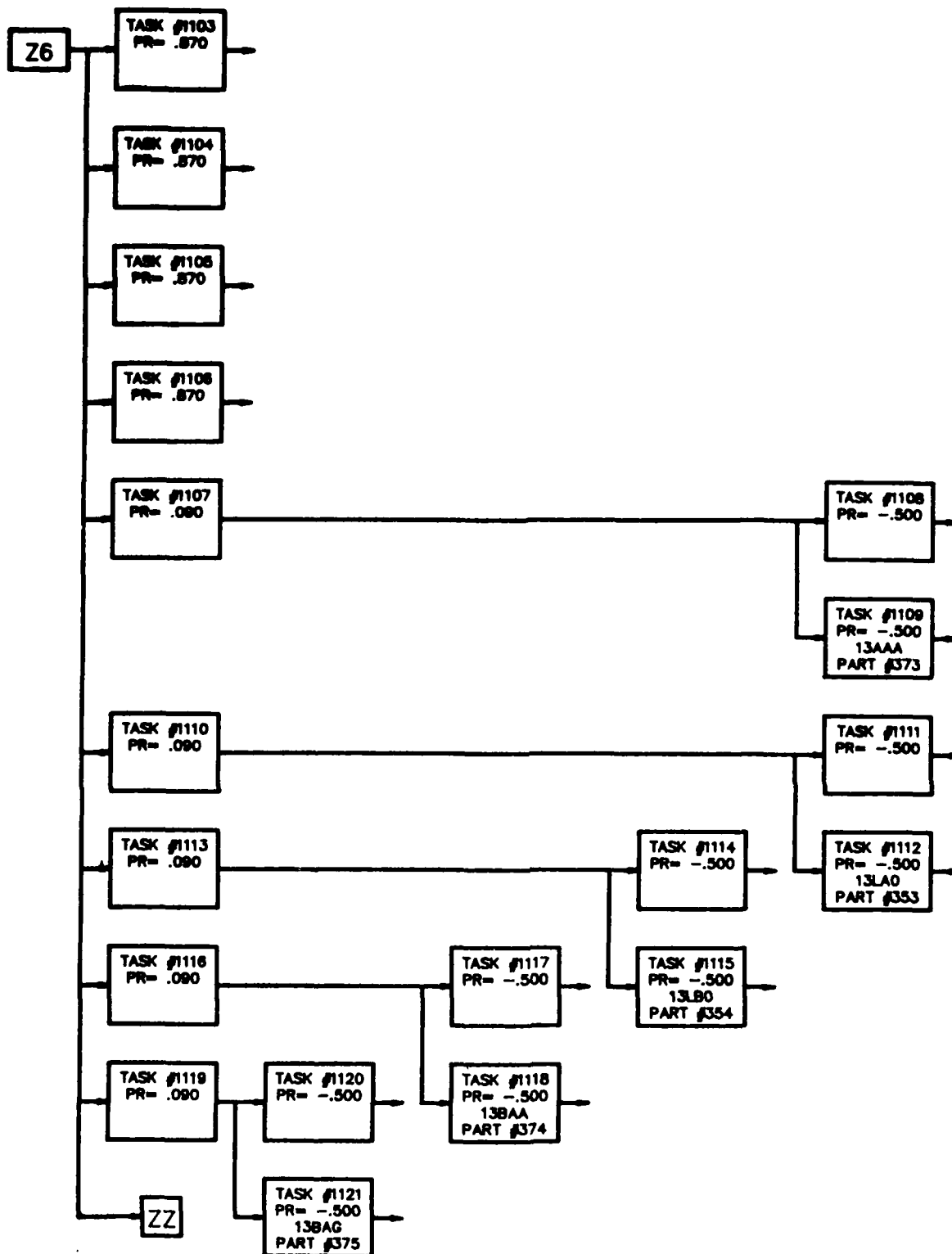


FIGURE 86-j

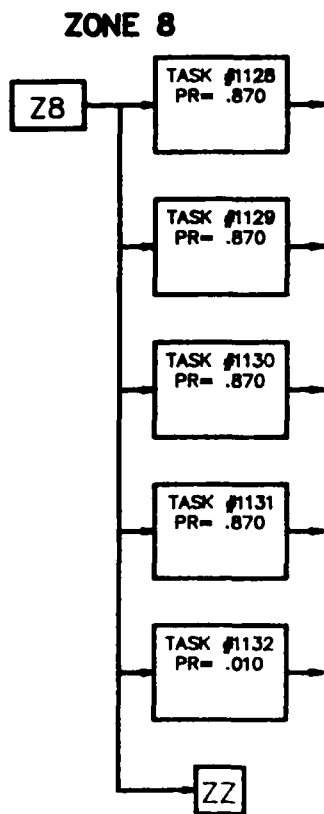
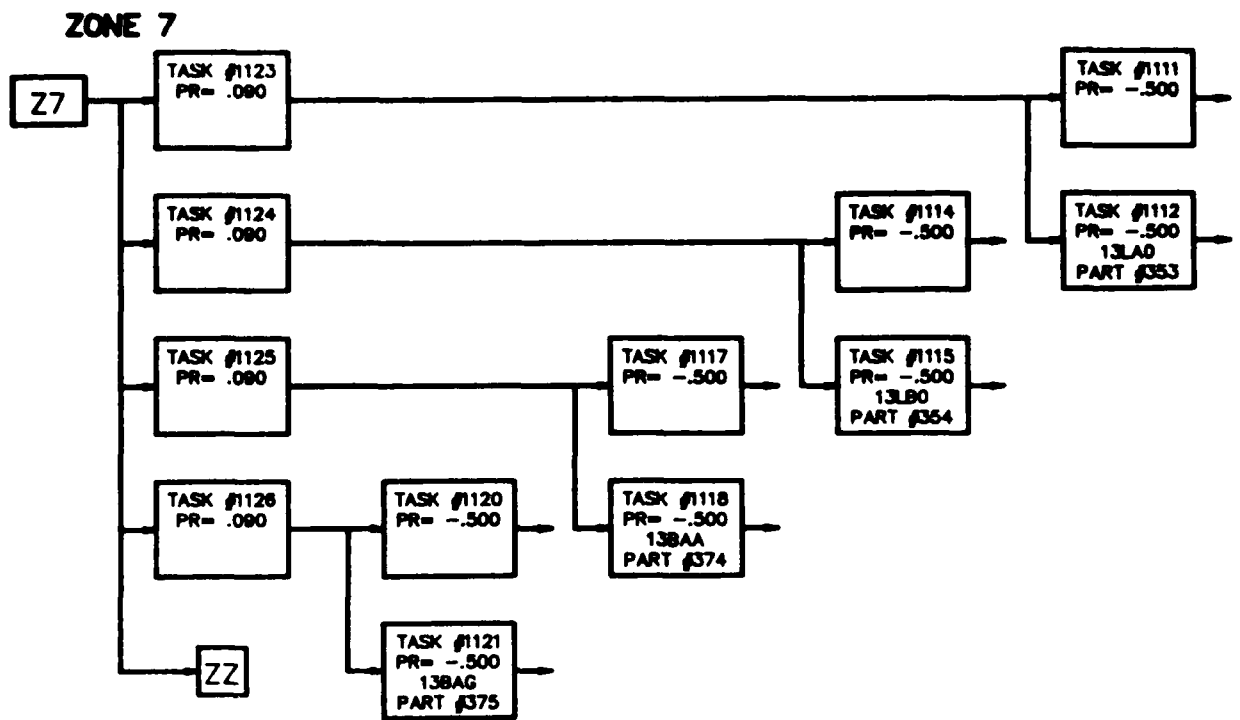
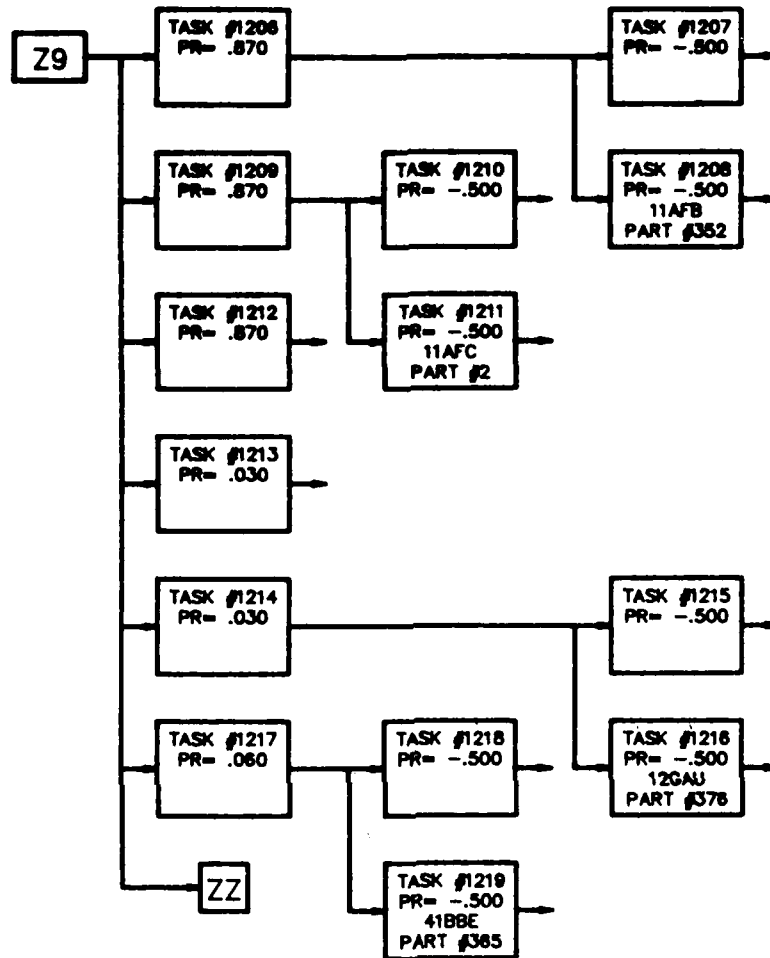


FIGURE 86-k

ZONE 9



ZONE 10

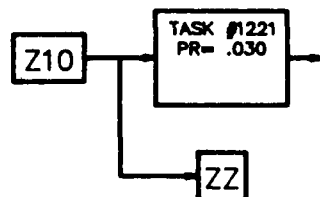


FIGURE 86-1

ZONE 11



ZONE 12

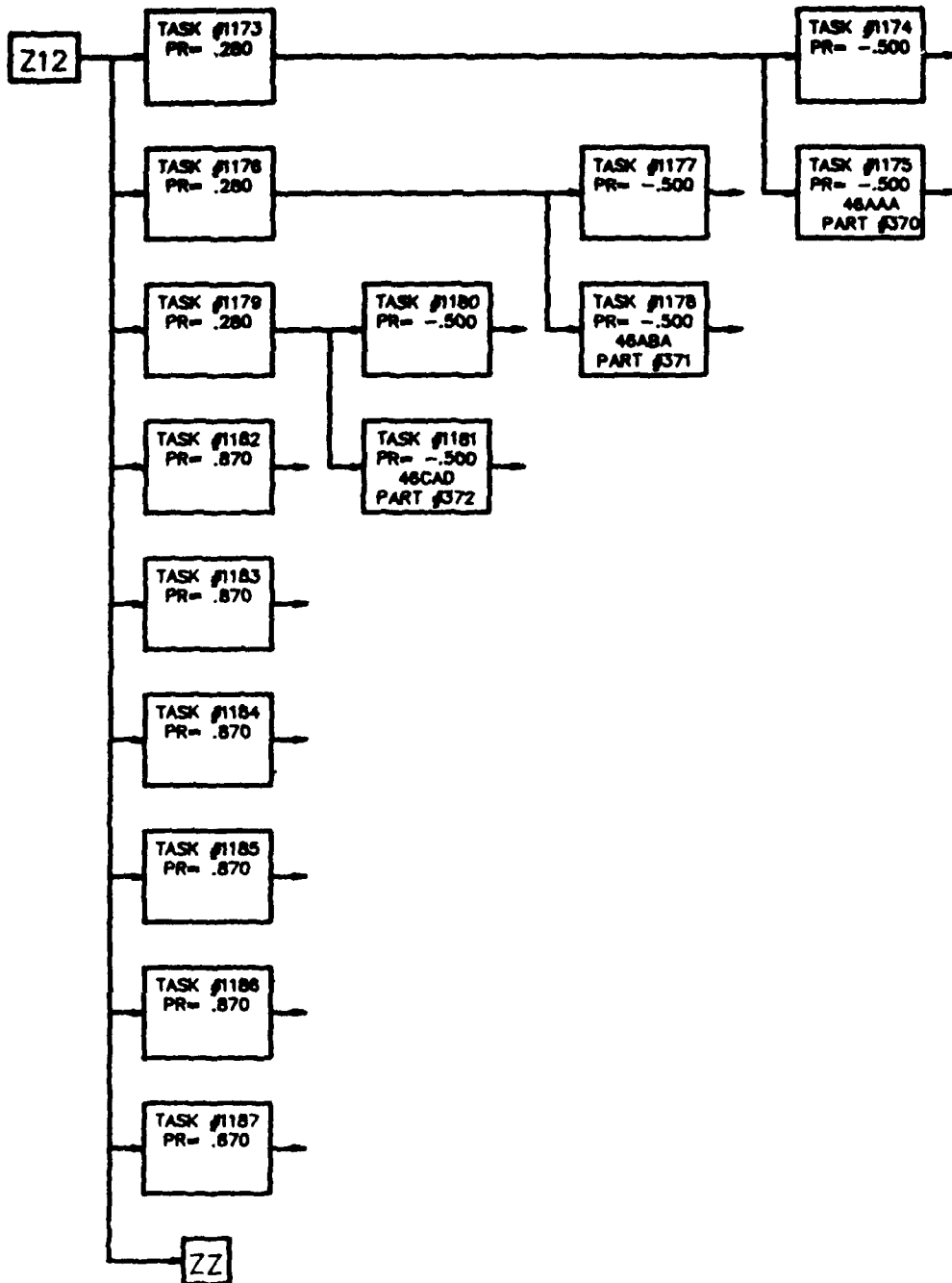


FIGURE 86-m

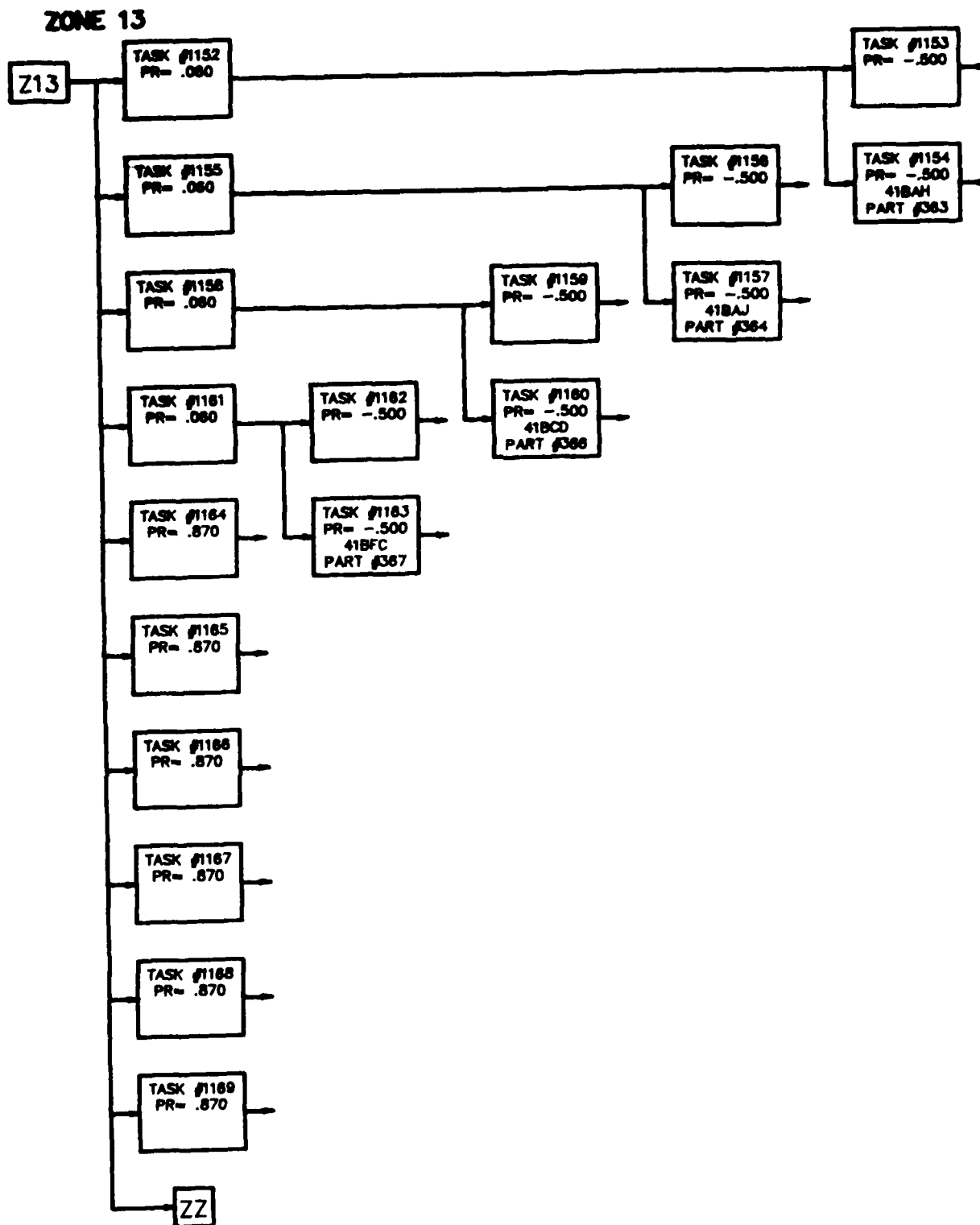


FIGURE B6-n

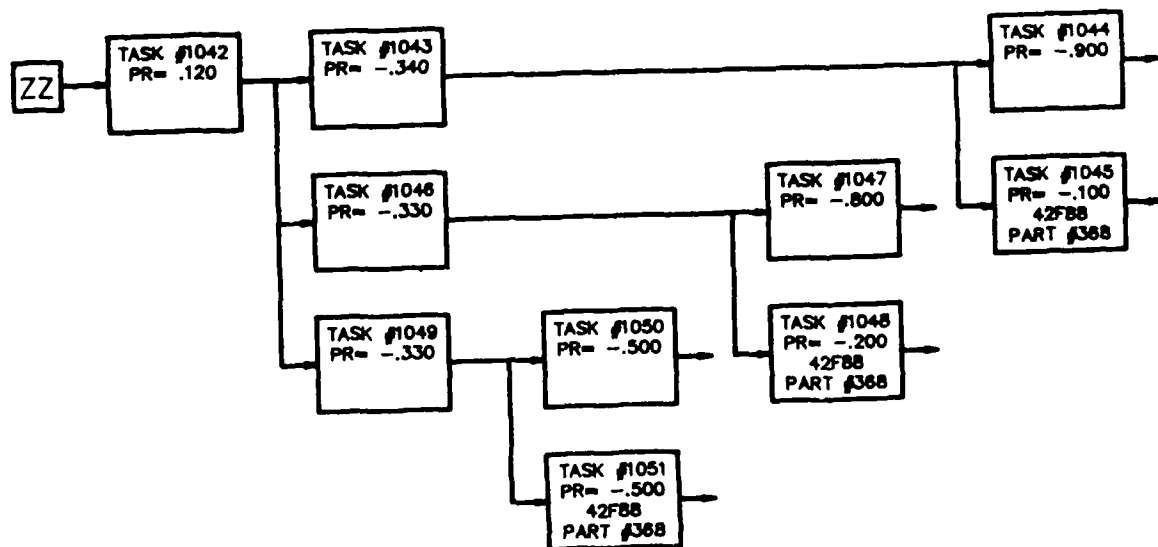


FIGURE 86-0

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

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RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.5.89 MUNITIONS ASSEMBLY DATA -

(CARD TYPES #11/1 AND #11/2)

TYPE MUNITION	TIME (MIN)	PERSONNEL TYPE	#	AGE #1	#2	QUANTITY	PERSONNEL SUITABILITY
2	150	22	3	-	-	3	0
5	72	30	3	-	-	12	1
6	132	30	3	-	-	12	1
7	156	30	3	-	-	6	1
8	132	30	3	-	-	12	1
9	96	50	3	-	-	6	0
10	243	50	3	-	-	2	0
11	198	50	3	-	-	6	0
12	210	30	3	-	-	6	1
13	201	22	3	-	-	4	0
14	120	22	3	-	-	4	0
18	66	30	3	-	-	6	1
19	66	30	3	-	-	6	1
20	66	30	3	-	-	6	1

III.1.5.90 MUNITIONS LOADING DATA -

(CARD TYPE #13)

SCL	CONFIG	MUNITION TYPE	QUAN	TIME (MIN)	PERSONNEL TYPE	#	AGE #1	#2
5	3	5	4	10	28	4	20	-
5	3	9	-	-	28	4	20	-
6	3	12	6	27	28	4	20	-
7	1	11	2	30	28	4	20	-
9	2	5	6	24	28	4	20	-
10	2	6	6	24	28	4	20	-
11	2	8	8	33	28	4	20	-
12	2	8	6	24	28	4	20	-
13	2	8	4	15	28	4	20	-
14	2	5	4	15	28	4	20	-
15	2	7	2	15	28	4	20	-
16	2	18	4	15	28	4	20	-

AD-A102 425

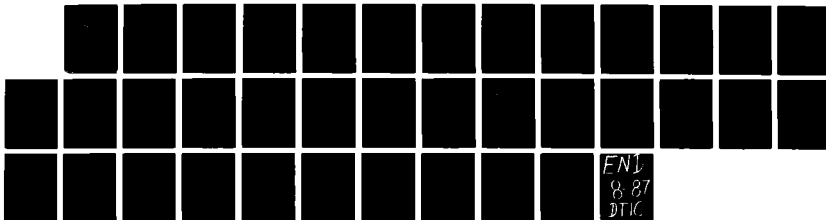
TSAR (THEATER SIMULATION OF AIRBASE RESOURCES) ADDR
(AIRCRAFT BATTLE DAMA. (U) ORLANDO TECHNOLOGY INC
SHALIMAR FL R LAMARCHE ET AL. 24 APR 87

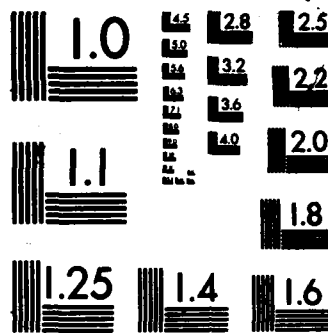
2/2

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F/G 1/3.3

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.6 PART REPAIR DATA (CARD TYPE #8) -

III.1.6.1 LRU #1 -

11AFO - WINDSHIELD ASSEMBLY

REPAIR PROC	ITEM PROB	TIME MIN.	PERSONNEL TYPE	NO	AGE	
					#1	#2
298	.42	240	82	2	-	-
299	.58	114	82	1	-	-

TOTAL NUMBER OF PART REPAIR PROCEDURES = 2

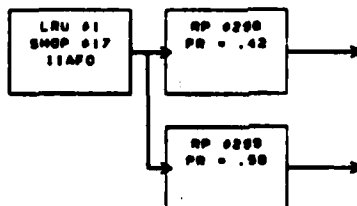


FIGURE 87

III.1.6.2 SIMPLE PART REPAIR TASKS #2 - #16 -

LRU NO.	PART DESCRIPTION	SHOP	TIME MIN.	PERSONNEL TYPE	#	AGE	
						#1	#2
2	GLASS, SD WINDSH	17	210	82	2	-	-
3	BALLAST, VARIABLE	17	60	82	2	-	-
4	F2, OXY CONVERTER	17	90	82	2	-	-
5	SAFING/GUN ACCESS	17	48	82	2	-	-
6	ARMAMENT CB ACCESS	17	486	82	2	-	-
7	AVIONICS ACCESS	17	168	82	1	-	-
8	INVERTER RELAY ACC	17	702	82	2	-	-
9	BATTERY ACCESS	17	1038	82	1	-	-
10	LADDER COMPARTMENT	17	150	82	1	-	-
11	AVIONICS ACCESS	17	120	82	1	-	-
12	FUSELAGE, CENTER	2	78	82	1	-	-
13	ELECT TROUGH ACCESS	2	78	82	1	-	-
14	FUSELAGE, AFT	2	120	82	1	-	-
15	ECS/FUEL ACCESS	2	120	82	1	-	-
16	AUX POWER UNIT ACC	2	120	82	1	-	-

**** THESE ARE SIMPLE REPAIR PROCED., THEREFORE NO NETWORKS FOLLOW**

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.6.23 SIMPLE PART REPAIR TASKS #109 - #126 -

LRU NO.	PART DESCRIPTION	SHOP	TIME MIN.	PERSONNEL		AGE	
				TYPE	#	#1	#2
109	BOX ASSY, LAND GEAR	3	168	83	1	-	-
110	CNTL PANEL, LIGHTS	3	213	83	1	-	-
111	PWR SPPY, STRB LGTS	3	183	83	1	-	-
112	LIGHT, LOW FUSELAGE	3	144	83	1	-	-
113	LGHT, FORM/TAIL FLOOD	3	72	83	1	-	-
114	INTERIOR LIGHT SYS	3	84	83	1	-	-
115	PANEL ASSY, AUX LGHT	3	105	83	1	-	-
116	PANEL, CAUTION ANN	3	471	83	1	-	-
117	UTILITY LIGHT	3	51	83	1	-	-
118	LF HYDRAU PWR SYS	17	60	86	2	-	-
119	PUMP, HYDR PWR SYS	17	210	86	2	-	-
120	VALVE, SYS SHUT OFF	17	78	86	2	-	-
121	ACCUM, BOOT STRAP	17	72	86	2	-	-
122	LF HYDR RESER ASSY	17	336	86	2	-	-
123	HOSE, PRESS, ENG/FUS	17	72	86	2	-	-
124	PUMP, HYDR ENG DRIV	6	84	86	2	-	-
125	RT HYDR RESER ASSY	6	348	86	2	-	-
126	PUMP, HYDR, 10 GPM	6	72	86	2	-	-

**** THESE ARE SIMPLE REPAIR PROCED., THEREFORE NO NETWORKS FOLLOW**

III.1.6.24 LRU #127 -

46AEO - PUMP ASSY, LEFT/RIGHT MAIN TANK

REPAIR PROC	ITEM PROB	TIME MIN.	PERSONNEL TYPE	NO	AGE	
					#1	#2
274	.09	231	23	2	-	-
275	.91	180	23	1	-	-

TOTAL NUMBER OF PART REPAIR PROCEDURES = 2

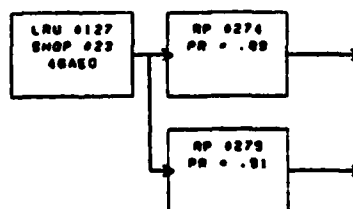


FIGURE 99

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.6.25 SIMPLE PART REPAIR TASKS #128 - #146 -

LRU NO.	PART DESCRIPTION	SHOP	TIME MIN.	PERSONNEL		AGE	
				TYPE	#	#1	#2
128	RELAY, ELECTRICAL	23	30	23	1	-	-
129	AMP, SIGNAL	23	90	23	1	-	-
130	INDIC, FUEL QUANT	9	102	23	1	-	-
131	INTERMED DEVICE	9	522	23	1	-	-
132	PUMP, ASSY, TANK BST	23	72	23	1	-	-
133	VALVE, RT WING SHUT	23	150	23	1	-	-
134	CONN, AIRCRAFT ELEC	4	501	89	1	-	-
135	CONVERTER ASSY, LOX	4	75	84	2	-	-
136	CAP, BUILD-UP/VENT	4	54	84	2	-	-
137	REGULAT, DILUTER DEM	4	120	84	2	-	-
138	INDIC, LOX QUANTITY	4	48	89	2	-	-
140	FIRE EXTINGUISH SYS	3	60	84	2	-	-
141	CANISTERS, EXTINGU	3	78	84	2	-	-
142	INSTRUMENTS	15	537	78	2	-	-
143	FLIGHT INSTRUMENTS	9	48	89	1	-	-
144	ACCELEROMET, NORMAL	9	318	89	1	-	-
145	INDIC, STANDBY ATT	9	804	89	1	-	-
146	INDIC, ATT DIRECT	9	453	89	1	-	-
147	PROBE, PITOT STATIC	9	300	89	1	-	-
148	DRAINS, PITOT STATIC	9	300	89	1	-	-

** THESE ARE SIMPLE REPAIR PROCED., THEREFORE NO NETWORKS FOLLOW

III.1.6.26 LRU #149 -

51CDK - COMPUTER TRANSDUCER-ALTITUDE

REPAIR PROC	ITEM PROB	TIME MIN.	PERSONNEL		AGE	
			TYPE	NO	#1	#2
276	.75	78	89	1	-	-
277	.25	60	84	2	-	-

TOTAL NUMBER OF PART REPAIR PROCEDURES = 2

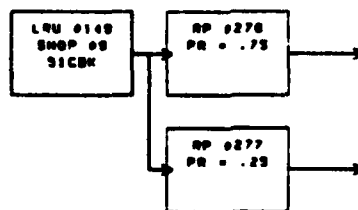


FIGURE 100

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.6.34 LRU #209 -

74EAO - TV MONITOR INSTALLATION (CARDION)

REPAIR PROC	ITEM PROB	TIME MIN.	PERSONNEL TYPE	NO	AGE	
					#1	#2
284	.62	234	79	2	-	-
285	.38	357	79	1	-	-

TOTAL NUMBER OF PART REPAIR PROCEDURES = 2

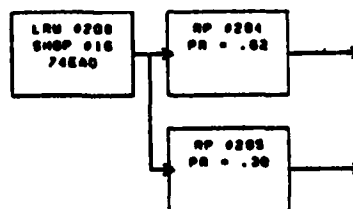


FIGURE 104

III.1.6.35 LRU #210 -

74EBO - CONTROL UNIT, FIRE CONTROL

REPAIR PROC	ITEM PROB	TIME MIN.	PERSONNEL TYPE	NO	AGE	
					#1	#2
286	.57	159	79	1	-	-
287	.43	264	79	2	-	-

TOTAL NUMBER OF PART REPAIR PROCEDURES = 2

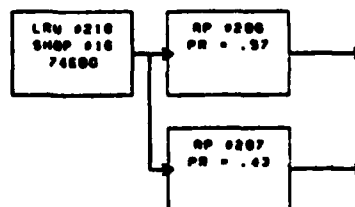


FIGURE 105

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.6.36 SIMPLE PART REPAIR TASKS #211 - #227 -

LRU NO.	PART DESCRIPTION	SHOP	TIME MIN.	PERSONNEL		AGE	
				TYPE	#	#1	#2
211	DISPLAY UNIT, TV	16	996	79	2	-	-
212	CNTL UNIT, TV MONIT	16	258	79	2	-	-
213	GUN, 30 MM	17	585	27	2	-	-
214	DRUM, AMMUNITION	17	1002	27	2	-	-
215	GUN, 30 MM, OTHER	17	120	27	2	-	-
216	ACC UNIT, WEAPON	17	75	27	2	-	-
217	BELT, CONVEYOR	17	468	27	2	-	-
218	WEAPON DELIV, OTHER	17	111	27	2	-	-
219	WEAPON DELIV, OTHER	17	600	27	2	-	-
220	ELECT CNTL UNIT	17	132	27	2	-	-
221	DRIVE SYSTEM	17	252	27	2	-	-
222	DRIVE, HYD MOTOR	17	300	27	2	-	-
223	TRANSFER UNIT	17	147	27	2	-	-
224	ARMAMENT CNTL SYS	17	114	27	2	-	-
225	PANEL, ARMAM CNTL	17	144	27	2	-	-
226	INDIC, STORES LOAD	17	120	27	2	-	-
227	INTERSTAT CNTL UNIT	17	129	27	2	-	-

** THESE ARE SIMPLE REPAIR PROCED., THEREFORE NO NETWORKS FOLLOW

III.1.6.37 LRU #228 -

75800 - WEAPON DELIVERY, OTHER

REPAIR PROC	ITEM PROB	TIME MIN.	PERSONNEL		AGE	
			TYPE	NO	#1	#2
288	.63	159	27	1	-	-
289	.17	135	27	2	-	-

TOTAL NUMBER OF PART REPAIR PROCEDURES = 2

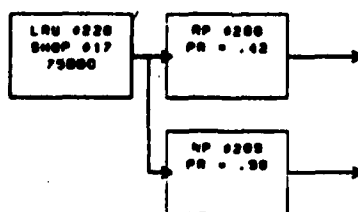


FIGURE 106

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.6.46 SIMPLE PART REPAIR TASKS #241 - #251, #353 - #376 -

LRU NO.	PART DESCRIPTION	SHOP	TIME MIN.	PERSONNEL		AGE	
				TYPE	#	#1	#2
241	SIGNAL PROCESSOR	14	120	85	2	-	-
242	AMP, DETECTORS	14	558	85	2	-	-
243	INDIC, AZIMUTH	14	120	85	2	-	-
244	COMPASS SAIL AMP	14	225	85	2	-	-
245	INDICAT, CNTL	14	252	85	2	-	-
246	ECM POD	14	498	85	2	-	-
248	CYLINDER ASSY	4	60	84	2	-	-
250	TIRE, MAIN LAND, LF	1	120	11	1	-	-
251	TIRE, MAIN LAND, RT	1	120	11	1	-	-
352	GLASS, CENTER WINDSH	17	210	67	1	-	-
353	TUBING, LAND GEAR	3	180	83	1	-	-
354	HOSES, LAND GEAR	3	180	83	1	-	-
355	AILERON, L.H./R.H.	21	150	21	1	-	-
356	RODS, CONTROL, ROLL	21	150	21	1	-	-
357	RODS, CNTR, PITCH	21	90	21	1	-	-
358	CABLE, CNTR, PITCH	21	90	21	1	-	-
359	RODS, CONTROL, YAW	7	30	87	1	-	-
360	HOSE ASSY, V.G	7	30	87	1	-	-
361	TUBE ASSY, LUBE	7	30	87	1	-	-
362	DUCTING, EXT	7	48	87	1	-	-
363	HOSES, FLEX, AIR	4	78	84	2	-	-
364	DUCT, HEAT EXTERNAL	4	60	84	1	-	-
365	DUCTS, RT SIDE	4	63	84	1	-	-
366	DUCTS, NACELLE	4	78	84	1	-	-
367	BELLOWS, BRAID	4	78	84	1	-	-
368	WIRING, AIRCRAFT	4	90	87	1	-	-
369	TUBING, AIRCRAFT	23	30	23	1	-	-
370	CELL, FUEL, LEFT	23	48	23	1	-	-
371	CELL, FUEL, RIGHT	23	90	23	1	-	-
372	LINES, VENT	23	90	23	1	-	-
373	DOOR, MLG AFT	21	228	21	1	-	-
374	DOOR, NLG AFT	21	228	21	1	-	-
375	DOOR, NLG FW	21	228	21	1	-	-
376	CANOPY ASSY	1	228	51	1	-	-

** THESE ARE SIMPLE REPAIR PROCED., THEREFORE NO NETWORKS FOLLOW

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1.7 TASK TIME MODIFIERS -

(CARD TYPE #17/2)

III.1.7.1 HURRY FACTORS -

TASK CATEGORY	HURRY FACTOR	EXPLANATION
ON-EQUIPMENT	100	ON-EQUIPMENT TASK TIMES ARE BASED ON PEACE-TIME RATES. 0% FASTER TIMES ARE EXPECTED IN A WARTIME ENVIRONMENT
PREFLIGHT	100	PREFLIGHT TASK TIMES ARE BASED ON PEACE-TIME RATES. 0% FASTER TIMES ARE EXPECTED IN A WARTIME ENVIRONMENT
PART/EQUIP	100	PART/EQUIP TASK TIMES ARE BASED ON PEACE-TIME RATES. 0% FASTER TIMES ARE EXPECTED IN A WARTIME ENVIRONMENT
MUNITION ASSY	100	MUNITION ASSY TASK TIMES ARE BASED ON PEACE-TIME RATES. 0% FASTER TIMES ARE EXPECTED IN A WARTIME ENVIRONMENT
CE REPAIRS	100	CE REPAIR TASK TIMES ARE BASED ON PEACE-TIME RATES. 0% FASTER TIMES ARE EXPECTED IN A WARTIME ENVIRONMENT

III.1.7.2 REDUCE TIMES -

TASK CATEGORY	REDUCE FACTOR	EXPLANATION
ON-EQUIPMENT	0	THERE IS NO REDUCTION IN THE MEAN TIME FOR ON-EQUIPMENT TASKS
PREFLIGHT	0	THERE IS NO REDUCTION IN THE MEAN TIME FOR PREFLIGHT TASKS
PART/EQUIP	0	THERE IS NO REDUCTION IN THE MEAN TIME FOR PART/EQUIPMENT TASKS
MUNITION ASSY	0	THERE IS NO REDUCTION IN THE MEAN TIME FOR MUNITION ASSEMBLY TASKS
CE REPAIRS	0	THERE IS NO REDUCTION IN THE MEAN TIME FOR CE REPAIR TASKS

RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA

III.1.7.3 SAVE TIMES -

TASK CATEGORY	SAVE FACTOR	EXPLANATION
ON-EQUIPMENT	O	THERE IS NO OVERALL ON-EQUIPMENT TASK TIME REDUCTION IN MINUTES
PREFLIGHT	O	THERE IS NO OVERALL PREFLIGHT TASK TIME REDUCTION IN MINUTES
PART/EQUIP	O	THERE IS NO OVERALL PART/EQUIPMENT TASK TIME REDUCTION IN MINUTES
MUNITION ASSY	O	THERE IS NO OVERALL MUNITION ASSY TASK TIME REDUCTION IN MINUTES
CE REPAIRS	O	THERE IS NO OVERALL CE REPAIR TASK TIME REDUCTION IN MINUTES

**RESOURCE REQUIREMENTS
AIRCRAFT, PART AND SUPPORT EQUIPMENT REPAIR DATA**

III.1:8 AIRCRAFT DATA -

(CARD TYPES #15/1, #15/2, #15/3)

AIRCRAFT TYPE 1 (A-10)

POST-FLIGHT DELAY	PRE-FLIGHT DELAY	FUEL QUAN	FUELING TASK #	NUMBER MISSIONS	UNSCHEL TIME	NOMINAL CYCLE TIME	1ST PART LOCATION
3 MIN.	0 MIN.	5	700	2	90	100	.1

LOAD TEAM TYPE #	SPECIAL #1	AGE #2	TRANSFER DELAY	BATTLE FIRST	DAMAGE LAST	AIRBASE FIRST	DAMAGE LAST	PART RECOVERY PERCENT
28 4	--	--	60 MIN.	975	975	989	989	0

BATTLE DAMAGE SPARES SORTIES/AC	ALERT AC PERSON TYPE #	AC EQUIP TYPE #	REAR MAINT. BASE	ELIGIBLE FOR ORA	AIR/AIR MISSION	HOT PIT TASK
0	-	-	-	0	0	705

III.1:9 BASE DATA -

(CARD TYPE #17/1)

BASE 1 IS THE MOB ORGANIZED UNDER AFR 66-1 AND THE TASK DATA
IS PREPARED FOR A COMO (AFR 66-5) ORGANIZATION

CROSS-TRAINED PERSONNEL	TASK-ASSIST-QUALIFIED PERSONNEL	WEAPON ASSEMBLY TASKS	NUMBER OF AC SHELTERS	AC PER SHELTER
1	1	3	67	1

NUMBER OF ALERT AC SHELTERS	POL CAPACITY	FUEL TRUCK EQUIP #	NO. OF AC LOADS PER FUEL TRUCK	FUEL TRUCK REFILL TIME
3	30000	80	5	45 MIN.

AVERAGE TAXI TIME	EXTRA AC SHELTER TIME	METEOROLOGICAL STATE
12 MIN.	0 MIN.	0

CHAPTER IV
INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES

IV.1 AIRCRAFT

IV.1.1 AIRCRAFT ASSIGNMENT BY BASE

(CARD TYPE #20)

BASE#	BASE DESCRIPTION	A/C TYPE	#AIRCRAFT	#SQUADRONS	#CREWS
1	MOB	A-10	72	0	90
2	COB	A-10	24	0	30

IV.1.2 AIRCRAFT INITIAL STATUS

(CARD TYPE #41)

BASE#	MISSION#	# ASSIGNED AIRCRAFT
1	1	24
1	2	48
1	3	0
1	4	0
2	1	24

IV.1.3 AIRCRAFT INITIAL MAINTENANCE STATUS

(CARD TYPE #42)

SINCE THERE IS NO CARD TYPE #42 IN THE DATA BASE, ALL AIRCRAFT ARE ASSUMED TO BE COMPLETELY ARMED AND READY FOR THE INITIAL MISSION WITH NO INITIAL MAINTENANCE REQUIREMENTS.

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES AIRCRAFT

IV.2 PERSONNEL DATA

IV.2.1 PERSONNEL LIST -

(CARD TYPE #21)

BASE #1. (MOB)

PERSONNEL TYPE	SHOP	AFSC	DESCRIPTION	TOTAL		DAY SHIFT		MIN SIZE
				ACTUAL	TARGETED	ACTUAL	TARGETED	
1	1	431X1C	FLIGHTLINE	48	48	28	28	6
2	2	427X5	AIRFRAME REP	14	14	9	9	2
3	3	423X0	ELECTRICAL SYS	7	7	5	5	2
4	4	423X1	ENVIRONMENTAL	6	6	4	4	2
5	5	423X2	EGRESS SYS	8	8	4	4	2
6	6	423X4	PNEUDRAULICS	7	7	5	5	4
7	7	426X2	ENGINE	13	13	8	8	4
8	8	325X0	AUTOPILOT	4	4	2	2	2
9	9	325X1	AVIONICS/INSTR	7	7	5	5	2
10	10	322X2	SENSORS	4	4	2	2	2
11	11	431X1C	WHEEL/TIRE	6	6	4	4	2
12	12	328X0	RADIO COMM	6	6	4	4	2
13	13	328X1	RADAR NAVIGAT	6	6	4	4	2
14	14	328X3	ECM SYSTEMS	12	12	8	8	2
15	15	328X4	INERTIAL SYS	7	7	5	5	2
16	16	321X2Q	FIRE CONTROL	16	16	12	12	2
17	17	462X0	WEAPON CONTROL	24	24	18	18	6
18	18	427X0	MACHINIST	8	8	6	6	2
19	19	427X4	WELDER	7	7	4	4	2
20	20	404X1	CAMERA	4	4	2	2	2
21	21	431X1C	HEAVY REPAIR	28	28	18	18	4
22	30	316X1L	MISSILE MAINT	18	18	12	12	3
23	23	423X3	FUEL SYSTEMS	19	19	12	12	6
24	24	582X1	PARACHUTE	11	11	6	6	2
25	24	531X5	N.D.I.	8	8	4	4	2
26	24	531X4	CORROSION CNTL	13	13	8	8	2
27	28	462X0	GUN SERVICE	24	24	18	18	4
28	28	462X0	LOADER	120	96	92	92	4
29	28	322X0	AC CONFIGUR	10	10	6	6	2
30	30	461X0	MUNITION MAINT	48	48	33	33	3
31	1	431X1C	FLIGHTLINE	48	48	28	28	2
32	2	427X5	AIRFRAME REP	14	14	9	9	2
33	3	423X0	ELECTRICAL SYS	7	7	5	5	2
34	4	423X1	ENVIRONMENTAL	6	6	4	4	1
35	5	423X2	EGRESS SYS	8	8	4	4	2
36	6	423X4	PNEUDRAULICS	7	7	5	5	2
37	7	426X2	ENGINE	13	13	8	8	4
38	8	325X0	AUTOPILOT	4	4	2	2	1
39	9	325X1	AVIONICS/INSTR	7	7	5	5	2
40	10	322X2	SENSORS	4	4	2	2	2
41	2	ABDR ASSESSORS		15	15	9	9	6
42	12	328X0	RADIO COMM	6	6	4	4	2
43	13	328X1	RADAR NAVIGAT	6	6	4	4	2
44	14	328X3	ECM SYSTEMS	6	6	4	4	2
45	15	328X4	INERTIAL SYS	7	7	5	5	2
46	16	321X2Q	FIRE CONTROL	16	16	12	12	2
47	17	462X0	WEAPON CONTROL	24	24	18	18	6
50	28			9	9	5	5	3
51	1	431X1C	FLIGHTLINE	48	48	28	28	2
52	2	427X5	AIRFRAME REP	14	14	9	9	2
53	3	423X0	ELECTRICAL SYS	7	7	5	5	2
54	4	423X1	ENVIRONMENTAL	6	6	4	4	1
55	5	423X2	EGRESS SYS	8	8	4	4	2

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES
AIRCRAFT

BASE #1 (MOB) (CONTINUED)

PERSONNEL TYPE	SHOP	AFSC	DESCRIPTION	TOTAL		DAY SHIFT		MIN SIZE
				ACTUAL	TARGETED	ACTUAL	TARGETED	
56	6	423X4	PNEUDRAULICS	7	7	5	5	2
57	7	426X2	ENGINE	13	13	8	8	4
58	8	325X0	AUTOPILOT	4	4	2	2	1
59	9	325X1	AVIONICS/INSTR	7	7	5	5	2
60	10	322X2	SENSORS	4	4	2	2	2
62	12	328X0	RADIO COMM	6	6	4	4	2
63	13	328X1	RADAR NAVIG	6	6	4	4	2
64	14	328X3	ECM SYSTEMS	6	6	4	4	2
65	15	328X4	INERTIAL SYS	7	7	5	5	2
66	16	321X20	FIRE CONTROL	16	16	12	12	2
67	17	462X0	WEAPON CONTROL	24	24	18	18	6
70	17	462X0	WEAPON CONTROL	6	6	3	3	6
75	5	423X2	EGRESS SYS	4	4	2	2	2
78	15	328X4	INERTIAL SYS	4	4	2	2	1
79	16	321X20	FIRE CONTROL	16	16	8	8	3
80	12	328X0	RADIO COMM	6	6	3	3	1
81	13	328X1	RADAR NAVIG	6	6	3	3	1
82	2	427X5	AIRFRAME REP	4	4	2	2	2
83	3	423X0	ELECTRICAL SYS	4	4	2	2	3
84	4	423X1	ENVIRONMENTAL	4	4	2	2	3
85	14	328X3	ECM SYSTEMS	4	4	2	2	2
86	6	423X4	PNEUDRAULICS	4	4	2	2	3
87	7	426X2	ENGINE	12	12	8	8	4
88	8	325X0	AUTOPILOT	4	4	2	2	3
89	9	325X1	AVIONICS/INSTR	4	4	2	2	1
90	10	322X2	SENSORS	4	4	2	2	1
197	30		CE/RRR	60	60	30	30	5
198	30		CE/RRR	124	50	62	62	6
199	30		CE/RRR	200	50	100	100	10

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES
AIRCRAFT

BASE #2 (COB)

PERSONNEL TYPE	SHOP	AFSC	DESCRIPTION	TOTAL		DAY SHIFT		MIN SIZE
				ACTUAL	TARGETED	ACTUAL	TARGETED	
1	1	431X1C	FLIGHTLINE	18	18	12	12	3
2	2	427X5	AIRFRAME REP	6	6	2	2	2
3	3	423X0	ELECTRICAL SYS	4	4	2	2	2
4	4	423X1	ENVIRONMENTAL	4	4	2	2	2
5	5	423X2	EGRESS SYS	4	4	2	2	2
6	6	423X4	PNEUDRAULICS	4	4	2	2	2
7	7	426X2	ENGINE	8	8	4	4	4
8	8	325X0	AUTOPILOT	4	4	2	2	2
9	9	325X1	AVIONICS/INSTR	4	4	2	2	2
10	10	322X2	SENSORS	4	4	2	2	2
11	11	431X1C	WHEEL/TIRE	6	6	4	4	2
12	12	328X0	RADIO COMM	6	6	4	4	2
13	13	328X1	RADAR NAVIG	6	6	4	4	2
14	14	328X3	ECM SYSTEMS	6	6	4	4	2
15	15	328X4	INERTIAL SYS	7	7	5	5	2
16	16	321X2Q	FIRE CONTROL	16	16	12	12	2
17	17	462X0	WEAPON CONTROL	9	9	6	6	6
18	18	427X0	MACHINIST	8	8	6	6	2
19	19	427X4	WELDER	7	7	4	4	2
20	20	404X1	CAMERA	4	4	2	2	2
21	21	431X1C	HEAVY REPAIR	28	28	18	18	4
22	30	316X1L	MISSILE MAINT	18	18	12	12	3
23	23	423X3	FUEL SYSTEMS	19	19	12	12	6
24	24	582X1	PARACHUTE	11	11	6	6	2
25	24	531X5	N.D.I.	8	8	4	4	2
26	24	531X4	CORROSION CNTL	13	13	8	8	2
27	28	462X0	GUN SERVICE	4	4	4	4	4
28	28	462X0	LOADER	4	4	4	4	4
29	28	322X0	AC CONFIGUR	6	6	4	4	2
30	30	461X0	MUNITION MAINT	48	48	33	33	3
41	2		ABDR ASSESSORS	12	12	6	6	6
50	28	322X0	AC CONFIGUR	9	9	5	5	3
70	17	462X0	WEAPON CONTROL	6	6	3	3	3
75	5	423X2	EGRESS SYS	4	4	2	2	2
78	15	328X4	INERTIAL SYS	4	4	2	2	2
79	16	321X2Q	FIRE CONTROL	16	16	8	8	2
80	12	328X0	RADIO COMM	6	6	3	3	1
81	13	328X1	RADAR NAVIG	6	6	3	3	1
82	2	427X5	AIRFRAME REP	4	4	2	2	2
83	3	423X0	ELECTRICAL SYS	4	4	2	2	2
84	4	423X1	ENVIRONMENTAL	4	4	2	2	2
85	14	328X3	ECM SYSTEMS	4	4	2	2	2
86	6	423X4	PNEUDRAULICS	4	4	2	2	2
87	7	426X2	ENGINE	12	12	8	8	4
88	8	325X0	AUTOPILOT	4	4	2	2	2
89	9	325X1	AVIONICS/INSTR	4	4	2	2	2
90	10	322X2	SENSORS	4	4	2	2	1

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES

SPARE PARTS (CONTINUED)

PART NO	WUC CODE	PART DESCRIPTION	AVAILABLE SPARES	NOMINAL STOCK LEVEL
224	75BOO	ARMAMENT CONTROL SYSTEM	2	2
225	75BAO	PANEL, ARMAMENT CONTROL	3	3
226	75BAS	INDICATOR, STORES LOADING DISPLAY	1	1
227	75BCO	INTERSTATION CONTROL UNIT	4	4
228	75BDO	WEAPON DELIVERY, OTHER	2	2
229	75BEO	WEAPON DELIVERY, OTHER	1	1
230	75COO	EXTERNAL ARMAMENT SYSTEM	3	3
231	75CAO	PYLON, WING WEAPON STATION 1 & 11	1	1
232	75CCO	PYLON, WING WEAPON STATION 2 & 10	2	2
233	75CCF	SEAL ASSEMBLY, PYLON	2	2
234	75CDO	PYLON, WING WEAPON STATION 4 & 8	1	1
235	75DOO	CABLE ADAPTERS	0	0
236	75DCO	TER-9 ADAPTER	1	1
237	75DDO	LAU-88 ADAPTER	1	1
238	75FAO	BOMB RACK, MAU-40/A	2	2
239	75FBO	BOMB RACK, MAU-50/A	1	1
240	75FDO	TRIPLE-EJECTOR RACK, TER-9A	3	3
241	76AAO	SIGNAL PROCESSOR	3	3
242	76ABO	AMPLIFIER, DETECTORS	2	2
243	76AFO	INDICATOR, AZIMUTH	1	1
244	76ARO	COMPASS SAIL AMPLIFIER DETECTOR	2	2
245	76ASO	INDICATOR, CONTROL	1	1
246	76POD	ECM POD	34	34
247	76EEO	RECEIVER, FREQ SELECTIVE	1	1
248	91BEA	CYLINDER ASSEMBLY	0	0
249	91BEC	HOSE, EMERGENCY OXYGEN	2	2
250	13AHAL	TIRE, MAIN LANDING GEAR, L.H.	7	7
251	13AHAR	TIRE, MAIN LANDING GEAR, R.H.	7	7
352	11AFB	GLASS, CENTER WINDSHIELD	2	2
353	13LAO	TUBING, LANDING GEAR	2	2
354	13LBO	HOSES, LANDING GEAR	2	2
355	14CAO	AILERON ASSY, L.H./R.H.	2	2
356	14CBA	RODS, CONTROL, ROLL CONTROL	2	2
357	14EBF	RODS, CONTROL, PITCH CONTROL	2	2
358	14EBG	CABLE, CONTROL, PITCH CONTROL	2	2
359	14GBD	RODS, CONTROL, YAW CONTROL	2	2
360	23DGJ	HOSE ASSY, FUEL CONTROL TO V.G ACT	2	2
361	23DKG	TUBE ASSY, LUBE PUMP TO TANK SCAVENGE	2	2
362	23JBJ	DUCTING, EXTERNAL AIR	2	2
363	41BAH	HOSES, FLEX, AIR CONDITIONING	2	2
364	41BAJ	DUCT, HEAT EXCHANGER, AIR CONDITION	2	2
365	41BBE	DUCTS, RIGHT SIDE, CABIN AIR	2	2
366	41BCD	DUCTS, NACELLE 10TH STAGE AIR	2	2
367	41BCF	BELLOWS, BRAIDED NON-RESTRAINED	2	2
368	42F88	WIRING, AIRCRAFT	2	2
369	45A66	TUBING, AIRCRAFT	2	2
370	46AAA	CELL, FUEL, LEFT	2	2
371	46ABA	CELL, FUEL, RIGHT	2	2
372	46CAD	LINES, VENT/PRESSURE, AERIAL REFUEL	2	2
373	13AAA	DOOR, MAIN LAND GEAR AFT, L.H./R.H.	2	2
374	13BAA	DOOR, NOSE LAND GEAR AFT	2	2
375	13BAG	DOOR, NOSE LAND GEAR FORWARD	2	2
376	12GAO	CANOPY ASSEMBLY	2	2

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES

IV.4.2 LIST OF SALVAGEABLE PARTS

(CARD TYPE #28)
(FROM AIRCRAFT TOO BADLY DAMAGED TO REPAIR)

PART NO	WUC CODE	PART DESCRIPTION	QUANTITY
1	11AFO	WINDSHIELD ASSEMBLY	1
2	11AFC	GLASS, SIDE WINDSHIELD, L.H./R.H.	1
3	11ALO	BALLAST, VARIABLE	1
4	11ARB	F2, OXYGEN CONVERTER	1
5	11ARE	F5, SAFING AND GUN REMOVAL ACCESS	1
6	11ARV	F14, ARMAMENT CIRCUIT BREAKER ACCESS	1
7	11ASH	F44, AVIONICS ACCESS	1
8	11ASK	F61, INVERTER, BATTERY RELAY BOX ACCESS	1
9	11ASP	F65, BATTERY ACCESS	1
10	11AST	F69, LADDER COMPARTMENT	1
11	11ATE	F103, AVIONICS ACCESS	1
12	11BOO	FUSELAGE, CENTER SECTION, STATION	1
13	11BNA	F46, ELECTRICAL TROUGH ACCESS	1
14	11COO	FUSELAGE, AFT SECTION, STATION	1
15	11CEN	F45, ECS AND FUEL ACCESS	1
16	11CEP	F47, AUXILIARY POWER UNIT ACCESS	1
17	11DOO	WING ASSEMBLY	1
18	11DGK	W21, LOWER PANEL ACCESS, RIGHT	1
19	11DHW	W22, LOWER PANEL ACCESS, LEFT	1
20	11DOB	W24, ACCESS PANEL OUTBOARD	1
21	11EOO	EMPENNAGE	1
22	11EEB	E3, COMPASS FLUX GATE ACCESS	1
23	11EEF	E11, RUDDER TOP HINGE ACCESS, L.H.	1
24	11EFF	E12, RUDDER TOP HINGE ACCESS, R.H.	1
25	11FOO	ENGINE NACELLE, L.H./R.H.	1
26	11FCC	N5, ENGINE LINES OAD ACCESS	1
27	12A00	COCKPIT	1
28	12AAB	BOTTLE ASSEMBLY, INSULATED VACUUM	1
29	12AAK	GLARESHIELD, MAIN INSTRUMENT PANEL	1
30	12AAL	ANTI-REFLECTION SHIELD	1
31	12BAO	LADDER, CREW BOARDING	1
32	12GGA	ACTUATOR ASSEMBLY, CANOPY	1
34	13BHA	TIRE, NOSE LANDING GEAR	1
35	13A00	MAIN LANDING GEAR	2
36	13ADO	ACTUATOR, MAIN LAND GEAR RETRACTION/DRA	1
37	13BDO	ACTUATOR, NOSE LAND GEAR RETRACTION/DRA	1
38	13COO	NOSE WHEEL STEERING SYSTEM	1
39	13DAO	BRAKE ASSEMBLY, R.H./L.H.	1
40	13DFO	ANTI-SKID SYSTEM	1
41	13DFA	CONTROL UNIT, ANTI-SKID	1
42	13GAA	PANEL, LANDING GEAR CONTROL	1
43	13GAC	VALVE, LANDING GEAR SELECTOR	1
44	14ABO	EMERGENCY FLIGHT CONTROL PANEL	1
45	14CCA	ACTUATOR, AILERON	1
46	14CDA	ACTUATOR, SERVO TAB SHIFTER	1
47	14CDB	ACTUATOR, TRIM STEPPER	1
48	14EOO	PITCH CONTROL SYSTEM	1
49	14EAO	ELEVATOR ASSEMBLY, L.H./R.H.	1
50	14EAA	TAB TRIM	1
51	14EBM	TORQUESHAF, ELEVATOR ACTUATOR	1
52	14ECA	ACTUATOR, ELEVATOR	1
53	14EDA	ACTUATOR, PITCH TRIM	1
54	14EDB	ACTUATOR, PITCH TRIM TAB	1

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES

SALVAGEABLE PARTS (CONTINUED)

PART NO	WUC CODE	PART DESCRIPTION	QUANTITY
169	55ABO	CONVERTER/MULTIPLEXER	1
170	55ACO	SENSING DEVICES	1
171	55ACC	ACCELEROMETER, NORMAL	1
172	55ACD	ACCELEROMETER, TRANSVERSE	1
173	55CAO	ENGINE TIME/TEMPERATURE RECORDER	1
174	62AOO	VHF/FM COMMUNICATION	1
175	62AAO	RADIO SET, RECEIVER/TRANSMITTER	1
176	62ACO	CONTROL, C-921/FM-622A	1
177	62ADO	ANTENNA ASSEMBLY, BLADE	1
178	62CAO	RADIO SET, RECEIVER/TRANSMITTER	1
179	62CCO	CONTROL UNIT, VHF/AM-807A	1
180	62DAO	RADIO SET, RECEIVER/TRANSMITTER	1
181	62DBO	CONTROL UNIT, C-10604	1
182	63AOO	UHF COMMUNICATIONS SYSTEM	1
183	63AAO	RADIO SET, RECEIVER/TRANSMITTER	1
184	63ADO	DIRECTION FINDER, UHF/ADF/ARD	1
185	63AFO	REMOTE CHANNEL FREQ INDICATOR	1
186	64AAO	CONTROL, INTERCOMM SET	1
187	64ACO	RELAY BOX, AVIONICS	1
188	65AOO	TRANSPONDER SET	1
189	65AAO	RECEIVER/TRANSMITTER	1
190	65ABO	CONTROL UNIT	1
191	71CAO	PANEL, NAV MODE SELECT	1
192	71CCO	RELAY BOX, NAV MODE, 51 RELAYS	1
193	71DBO	RADIO RECEIVER	1
194	71ZAO	RECEIVER/TRANSMITTER	1
195	71ZBO	ADAPTER, MX-9577/A	1
196	71ZDO	CONTROL PANEL ARN-118	1
197	72AAO	ENCODER/TRANSPONDER	1
198	74AOO	HEAD-UP DISPLAY	1
199	74AAO	PROJECTION UNIT, HEAD-UP DISPLAY	1
200	74ABO	SYMBOL GENERATOR	1
201	74ACO	CONTROL UNIT	1
202	74COO	TARGET ID SET LASER, PAVE PENNY	1
203	74CAO	DETECTOR, LASER ILLUMINATED TARGET	1
204	74CBO	ADAPTER, CONTROL DETECTOR	1
205	74DOO	GUN CAMERA SYSTEM	1
206	74DAD	ELECTRONICS MODULE	1
207	74DCO	MAGAZINE 100 FT LB-41A	1
208	74EOO	TV MONITOR INSTALLATION (CARDION)	1
209	74EAO	DISPLAY UNIT, FIRE CONTROL	1
210	74EBO	CONTROL UNIT, FIRE CONTROL	1
211	74FAO	DISPLAY UNIT, TV MONITOR	1
212	74FBO	CONTROL UNIT, TV MONITOR	1
213	75AAO	GUN, 30 MM	1
214	75ABO	DRUM, AMMUNITION	1
215	75ADO	GUN, 30 MM, OTHER	1
216	75AFO	ACCESS UNIT, WEAPON DELIVERY	1
217	75ALO	BELT, CONVEYOR	1
218	75AMO	WEAPON DELIVERY, OTHER	1
219	75ANO	WEAPON DELIVERY, OTHER	1
220	75ASO	ELECTRONIC CONTROL UNIT	1
221	75AUO	DRIVE SYSTEM	1
222	75AUB	DRIVE, HYDRAULIC MOTOR	1
223	75AWO	TRANSFER UNIT	1
224	75BOO	ARMAMENT CONTROL SYSTEM	1
225	75BAO	PANEL, ARMAMENT CONTROL	1

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES

SALVAGEABLE PARTS (CONTINUED)

PART NO	WUC CODE	PART DESCRIPTION	QUANTITY
226	78BAS	INDICATOR, STORES LOADING DISPLAY	1
227	78BCO	INTERSTATION CONTROL UNIT	1
228	78BDO	WEAPON DELIVERY, OTHER	1
229	78BEO	WEAPON DELIVERY, OTHER	1
230	78COO	EXTERNAL ARMAMENT SYSTEM	1
231	78CAO	PYLON, WING WEAPON STATION 1 & 11	1
232	78CCO	PYLON, WING WEAPON STATION 2 & 10	1
233	78CCF	SEAL ASSEMBLY, PYLON	1
234	78CDO	PYLON, WING WEAPON STATION 4 & 8	1
235	78DOO	CABLE ADAPTERS	1
236	78DOO	TER-9 ADAPTER	1
237	78DOO	LAU-88 ADAPTER	1
238	78FAO	BOMB RACK, MAU-40/A	1
239	78FBO	BOMB RACK, MAU-50/A	1
240	78FDO	TRIPLE-EJECTOR RACK, TER-9A	1
241	78AAO	SIGNAL PROCESSOR	1
242	78ABO	AMPLIFIER, DETECTORS	1
243	78AFO	INDICATOR, AZIMUTH	1
244	78ARO	COMPASS SAIL AMPLIFIER DETECTOR	1
245	78ASO	INDICATOR, CONTROL	1
246	78POD	ECM POD	1
247	78EEO	RECEIVER, FREQ SELECTIVE	1
248	918EA	CYLINDER ASSEMBLY	1
249	918EC	HOSE, EMERGENCY OXYGEN	1
250	13AHAL	TIRE, MAIN LANDING GEAR, L.H.	1
251	13AMAR	TIRE, MAIN LANDING GEAR, R.H.	1
352	11AFB	GLASS, CENTER WINDSHIELD	0
353	13LAO	TUBING, LANDING GEAR	0
354	13LBO	HOSES, LANDING GEAR	0
355	14CAO	AILERON ASSY, L.H./R.H.	0
356	14CBA	RODS, CONTROL, ROLL CONTROL	0
357	14EBF	RODS, CONTROL, PITCH CONTROL	0
358	14EBG	CABLE, CONTROL, PITCH CONTROL	0
359	14QBD	RODS, CONTROL, YAW CONTROL	0
360	23DGI	HOSE ASSY, FUEL CONTROL TO V.G ACT	0
361	23DKG	TUBE ASSY, LUBE PUMP TO TANK SCAVENGE	0
362	23JBJ	DUCTING, EXTERNAL AIR	0
363	41BAH	HOSES, FLEX, AIR CONDITIONING	0
364	41BAJ	DUCT, HEAT EXCHANGER, AIR CONDITION	0
365	41BBE	DUCTS, RIGHT SIDE, CABIN AIR	0
366	41BCD	DUCTS, NACELLE 10TH STAGE AIR	0
367	41BCF	BELLOWS, BRAIDED NON-RESTRAINED	0
368	42F88	WIRING, AIRCRAFT	0
369	45A66	TUBING, AIRCRAFT	0
370	46AAA	CELL, FUEL, LEFT	0
371	46ABA	CELL, FUEL, RIGHT	0
372	46CAD	LINES, VENT/PRESSURE, AERIAL REFUEL	0
373	13AAA	DOOR, MAIN LAND GEAR AFT, L.H./R.H.	0
374	13BAA	DOOR, NOSE LAND GEAR AFT	0
375	13BAG	DOOR, NOSE LAND GEAR FORWARD	0
376	12GAO	CANOPY ASSEMBLY	0

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES

CANNIBALIZATION DATA (CONTINUED)

PART NO	WUC CODE	PART DESCRIPTION	ADDITIONAL CANNIBALIZATION TIME (MIN)	PROB OF BROKEN PART
218	75AMO	WEAPON DELIVERY, OTHER	0	0
219	75ANO	WEAPON DELIVERY, OTHER	0	0
220	75ASO	ELECTRONIC CONTROL UNIT	0	0
221	75AUO	DRIVE SYSTEM	0	0
222	75AUB	DRIVE, HYDRAULIC MOTOR	197	0
223	75AWO	TRANSFER UNIT	0	0
224	75BOO	ARMAMENT CONTROL SYSTEM	0	0
225	75BAO	PANEL, ARMAMENT CONTROL	65	0
226	75BAS	INDICATOR, STORES LOADING DISPLAY	65	0
227	75BCO	INTERSTATION CONTROL UNIT	65	0
228	75BDO	WEAPON DELIVERY, OTHER	65	0
229	75BEO	WEAPON DELIVERY, OTHER	0	0
230	75COO	EXTERNAL ARMAMENT SYSTEM	0	0
231	75CAO	PYLON, WING WEAPON STATION 1 & 11	0	0
232	75CCO	PYLON, WING WEAPON STATION 2 & 10	101	0
232	75CCO	PYLON, WING WEAPON STATION 2 & 10	0	0
233	75CCF	SEAL ASSEMBLY, PYLON	0	0
234	75CDO	PYLON, WING WEAPON STATION 4 & 8	0	0
235	75DOO	CABLE ADAPTERS	0	0
236	75DCO	TER-9 ADAPTER	0	0
237	75DDO	LAU-88 ADAPTER	0	0
238	75FAO	BOMB RACK, MAU-40/A	0	0
239	75FBO	BOMB RACK, MAU-50/A	0	0
240	75FDO	TRIPLE-EJECTOR RACK, TER-9A	0	0
241	76AAO	SIGNAL PROCESSOR	0	0
242	76ABO	AMPLIFIER, DETECTORS	0	0
243	76AFO	INDICATOR, AZIMUTH	0	0
244	76ARO	COMPASS SAIL AMPLIFIER DETECTOR	0	0
245	76ASO	INDICATOR, CONTROL	0	0
246	76POD	ECM POD	***	0
247	76EEO	RECEIVER, FREQ SELECTIVE	65	0
248	91BEA	CYLINDER ASSEMBLY	0	0
249	91BEC	HOSE, EMERGENCY OXYGEN	95	0
250	13AHAL	TIRE, MAIN LANDING GEAR, L.H.	0	0
251	13AHAR	TIRE, MAIN LANDING GEAR, R.H.	0	0
352	11AFB	GLASS, CENTER WINDSHIELD	0	0
353	13LAO	TUBING, LANDING GEAR	0	0
354	13LBO	HOSES, LANDING GEAR	0	0
355	14CAO	AILERON ASSY, L.H./R.H.	0	0
356	14CBA	RODS, CONTROL, ROLL CONTROL	0	0
357	14EBF	RODS, CONTROL, PITCH CONTROL	0	0
358	14EBG	CABLE, CONTROL, PITCH CONTROL	0	0
359	14GBO	RODS, CONTROL, YAW CONTROL	0	0
360	23DGJ	HOSE ASSY, FUEL CONTROL TO V.G ACT	0	0
361	23DKG	TUBE ASSY, LUBE PUMP TO TANK SCAVENGE	0	0
362	23JBJ	DUCTING, EXTERNAL AIR	0	0
363	41BAH	HOSES, FLEX, AIR CONDITIONING	0	0
364	41BAJ	DUCT, HEAT EXCHANGER, AIR CONDITION	0	0
365	41BBE	DUCTS, RIGHT SIDE, CABIN AIR	0	0
366	41BCD	DUCTS, NACELLE 10TH STAGE AIR	0	0
367	41BCF	BELLOWS, BRAIDED NON-RESTRAINED	0	0
368	42F88	WIRING, AIRCRAFT	0	0
369	45A66	TUBING, AIRCRAFT	0	0
370	46AAA	CELL, FUEL, LEFT	0	0
371	46ABA	CELL, FUEL, RIGHT	0	0
372	46CAD	LINES, VENT/PRESSURE, AERIAL REFUEL	0	0
373	13AAA	DOOR, MAIN LAND GEAR AFT, L.H./R.H.	0	0
374	13BAA	DOOR, NOSE LAND GEAR AFT	0	0
375	13BAG	DOOR, NOSE LAND GEAR FORWARD	0	0
376	12GAO	CANOPY ASSEMBLY	0	0

INITIAL STOCKS AND STATUS OF AIRBASE RESOURCES

IV.5 TRAP DATA

BASE #1 (MOB)

(CARD TYPE #25)

TRAP		
TYPE	DESCRIPTION	STOCK LEVEL
1	ECM ADAPTER	144
2	LAU-88	288
6	LAU-117	288
11	ECM POD	72
16	GUN AMMO TUBES	5000

IV.6 POL DATA

(CARD TYPE #27)

BASE #	POL STOCK LEVEL
1	30000
2	2000

CROSS-REFERENCES

VI.1 TASK CROSS-REFERENCE

TSAR TASK	TASK DESCRIPTION	PAGES
1	FUSELAGE, FORWARD SECTION	III-34.49
25	FUSELAGE, CENTER SECTION	III-7.51
32	FUSELAGE, AFT SECTION	III-7.52
41	WING ASSEMBLY	III-7.53
54	EMPENNAGE	III-7.54
63	ENGINE NACELLE, L.H./R.H.	III-7.55
73	COCKPIT	III-7.56
82	LADDER, CREW BOARDING	III-6.57
92	CANOPY INSTALLATION	III-40.58
106	EJECTION SEAT SYSTEM	III-13.59
109	LANDING GEAR	III-6.58
112	MAIN LANDING GEAR	III-40.60
125	NOSE LANDING GEAR	III-6.61
135	NOSE WHEEL STEERING SYSTEM	III-9.62
144	WHEEL BRAKES	III-9.63
157	LANDING GEAR CONTROL SYSTEM	III-9.64
165	LANDING GEAR INDICATING SYSTEM	III-9.64
168	MISC LANDING GEAR COMPONENTS	III-15.65
171	PILOT CONTROLS	III-9.66
179	ROLL CONTROL SYSTEM	III-40.67
192	PITCH CONTROL SYSTEM	III-40.68
209	YAW CONTROL SYSTEM	III-40.69
217	TRAILING EDGE FLAP SYSTEM	III-40.70
234	SPEED BRAKE SYSTEM	III-40.71
241	LEADING EDGE SLAT SYSTEM	III-40.72
258	TURBO FAN POWER PLANT SYSTEM	III-17.73
301	AUXILIARY POWER PLANT	III-17.76
312	COCKPIT AIR TEMP CONTROL SYSTEM	III-12.77
318	AIR CONDITIONING SYSTEM	III-12.78
334	PRESSURIZATION	III-12.79
338	ANTI-ICE SYSTEM	III-9.79
340	WASH SYSTEMS	III-12.80
343	AC POWER GENERATING SYSTEM	III-17.81
350	EMERGENCY AC POWER SYSTEM	III-9.82
355	EMERGENCY DC POWER SYSTEM	III-9.82
358	AC/DC DISTRIBUTION SYSTEM	III-9.83
367	LIGHTING CONTROLS	III-9.84
373	EXTERIOR LIGHTING SYSTEM	III-9.85
383	INTERIOR LIGHTING SYSTEM	III-9.86
395	LEFT HYDRAULIC POWER SYSTEM	III-34.87
410	RIGHT HYDRAULIC POWER SYSTEM	III-15.88
418	APU DRIVEN HYDRAULIC SYSTEM	III-15.88
420	FUEL TANK INSTALLATION	III-44.89
429	AERIAL REFUELING RECEPTACLE	III-44.90
435	FUEL VENT/PRESSURE INSTALLATION	III-44.91
441	FUEL QUANTITY INDICATING SYSTEM	III-20.92
448	FUEL FEED SYSTEM	III-44.93
457	GROUND REFUELING SYSTEM	III-44.94
464	LOX SUPPLY SYSTEM	III-12.95
480	FIRE DETECTION SYSTEM	III-9.96
488	FIRE EXTINGUISHING SYSTEM	III-9.97
495	INERTIAL NAVIGATION SYSTEM	III-31.98
502	FLIGHT INSTRUMENTS	III-20.99
518	NAVIGATION INSTRUMENTS	III-20.101
524	CONTROL SET, GYROSCOPE, ATTITUDE	III-20.102

CROSS-REFERENCES

TASK CROSS-REFERENCE (CONTINUED)

TSAR TASK	TASK DESCRIPTION	PAGES
534	INDICATOR, HORIZONTAL SITUATION	III-20, 103
538	STABILITY AUGMENT SYSTEM	III-18, 103
543	BETA DOT COMPUTER SYSTEM	III-16, 104
545	VDM RECORDING SYSTEM	III-20, 105
556	ENGINE TIME/TEMP RECORDER	III-20, 106
560	VHF/FM COMMUNICATION SYSTEM	III-25, 106
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568	VHF/AM COMMUNICATION SYSTEM	III-25, 107
571	UMF COMMUNICATION SYSTEM	III-25, 108
576	INTERCOMMUNICATION SYSTEM	III-25, 108
579	TRANSPONDER SET, AN/APX-101	III-27, 109
585	NAV MODE CONTROLS	III-27, 110
588	INSTRUMENT LANDING SYSTEMS	III-27, 110
590	TACAN SYSTEM, AN/ARN-118	III-27, 111
594	RADAR NAVIGATION SYSTEM	III-27, 111
596	HEAD-UP DISPLAY SYSTEM	III-32, 112
601	TARGET ID SET LASER, PAVE PENNY	III-22, 113
608	GUN CAMERA SYSTEM	III-38, 114
616	TV MONITOR, CARDION	III-32, 115
622	TV MONITOR, HARTMAN	III-32, 116
625	GUN SYSTEM, 30MM	III-34, 116
643	ARMAMENT CONTROL SYSTEM	III-34, 118
653	PYLON, WING WEAPON STATION	III-34, 119
664	CABLE ADAPTERS	III-34, 120
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688	PARACHUTE SYSTEM	III-12, 124
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800	100 HOUR PHASED MAINTENANCE	III-125
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810	6000 ROUNDS GUN INSPECTION	III-126
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CROSS-REFERENCES

VI.2 PERSONNEL CROSS-REFERENCE

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5	423X2	EGRESS SYSTEMS	III-13, 56, 58, 59, 73, 124, IV-2, 4, 5, 6, 7, 8
6	423X4	PNEUDRAULICS	III-14, 54, 60, 61, 62, 63, 64, 65, 67, 68, 69, 70, 71, 72, 87, 88, 127a, 127b, 127c, IV-2, 4, 5, 6, 7, 8
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9	325X1	AVIONICS/INSTR	III-20, 64, 72, 73, 76, 87, 88, 91, 92, 95, 99, 101, 102, 103, 105, 106, IV-2, 4, 5, 6, 7, 8
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CROSS-REFERENCES

PERSONNEL CROSS-REFERENCE (CONTINUED)

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14	328X3	ECM SYSTEMS	III-29, 122, 123, IV-2, 4, 5, 6, 7, 8
15	328X4	INERTIAL SYSTEMS	III-31, 98, IV-2, 4, 5, 6, 7, 8
16	321X2Q	FIRE CONTROL	III-32, 112, 115, IV-2, 4, 5, 6, 7, 8
17	462X0	WEAPON CONTROL	III-34, 49, 87, 116, 118, 119, 121, 126, 127a, IV-2, 4, 5, 7, 8
18	427X0	MACHINIST	III-36, 49, 51, 52, 53, 54, 55, 57, 58, 60, 65, 66, 70, 72, 73, 76, 82, 83, 85, 88, 89, 91, 92, 99, 101, 102, 109, 113, 116, 119, 121, 122, IV-2, 4, 5, 7, 8
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20	404X1	CAMERA	III-38, 114, 115, 144, 145, IV-2, 4, 5, 7, 8
21	431X1C	HEAVY REPAIR	III-39, 49, 51, 52, 53, 58, 59, 60, 61, 66, 67, 68, 69, 70, 71, 72, 73, 127a, 127b, 127c, 127d, IV-2, 4, 5, 7, 8
22	316X1L	MISSILE MAINT	III-48, 128, IV-2, 4, 5, 7, 8
23	423X3	FUEL SYSTEMS	III-43, 53, 89, 90, 91, 92, 93, 94, 127c, 127d, 140, 141, IV-2, 4, 5, 7, 8
24	582X1	PARACHUTE	III-45, IV-2, 4, 5, 7, 9
25	531X5	N.D.I.	III-45, 60, 116, IV-2, 4, 5, 7, 9
26	531X4	CORROSION CONTROL	III-45, 93, 121, IV-2, 4, 5, 7, 9
27	462X0	GUN SERVICE	III-47, 147, 148, 149, 149, 151, IV-2, 4, 5, 7, 9
28	462X0	LOADER	III-47, 128, 155, IV-2, 4, 5, 7, 9
29	322X0	AC CONFIGURATION	III-47, IV-2, 4, 5, 7, 9
30	461X0	MUNITION MAINTENANCE	III-48, 128, IV-2, 4, 5, 7, 9
31	431X1C	FLIGHTLINE	III-5, IV-2, 5, 6, 7, 9
32	427X5	AIRFRAME REPAIR	III-7, IV-2, 5, 6, 7, 9

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PERSONNEL CROSS-REFERENCE (CONTINUED)

PERSONNEL TYPE	AFSC	DESCRIPTION	PAGES
33	423X0	ELECTRICAL SYSTEMS.....	III-9, IV-2,5,6, 7,9
34	423X1	ENVIRONMENTAL	III-11, IV-2,5, 6,7,9
35	423X2	EGRESS SYSTEMS	III-13, IV-2,5, 6,7,9
36	423X4	PNEUDRAULICS	III-14, IV-2,5, 6,7,9
37	426X2	ENGINE	III-16, IV-2,5, 6,7,9
38	325X0	AUTOPILOT	III-18, IV-2,5, 6,7,9
39	325X1	AVIONICS/INSTR	III-20, IV-2,5, 6,7,9
40	322X2	SENSORS	III-22, IV-2,5, 6,7,9
41		ABDR ASSESSOR	III-7, 127, IV-2,4,5,7,9
42	328X0	RADIO COMMUNICATION	III-25, IV-2,5, 6,7,9
43	328X1	RADAR NAVIGATION	III-27, IV-2,5, 6,7,9
44	328X3	ECM SYSTEMS	III-29, IV-2,5, 6,7,9
45	328X4	INERTIAL SYSTEMS	III-31, IV-2,5, 6,7,9
46	321X20	FIRE CONTROL	III-32, IV-2,5, 6,7,9
47	462X0	WEAPON CONTROL	III-34, IV-2,5, 7,9
50	322X0	AC CONFIGURATION	III-47, 128, IV-2,4,5,7,9
51	431X1C	FLIGHTLINE	III-5, IV-2,5,6, 7,9
52	427X5	AIRFRAME REPAIR	III-7, IV-2,5,6, 7,9
53	423X0	ELECTRICAL SYSTEMS.....	III-9, IV-2,5,6, 7,9
54	423X1	ENVIRONMENTAL	III-11, IV-2,5, 6,7,9
55	423X2	EGRESS SYSTEMS	III-13, IV-2,5, 6,7,9
56	423X4	PNEUDRAULICS	III-14, IV-3,5, 6,7,9
57	426X2	ENGINE	III-16, IV-3,5, 6,7,9
58	325X0	AUTOPILOT	III-18, IV-3,5, 6,7,9
59	325X1	AVIONICS/INSTR	III-20, IV-3,5, 6,8,9
60	322X2	SENSORS	III-22, IV-3,5, 6,8,9
62	328X0	RADIO COMMUNICATION	III-25, IV-3,5, 6,8,9
63	328X1	RADAR NAVIGATION	III-27, IV-3,5, 6,8,9

CROSS-REFERENCES

PERSONNEL CROSS-REFERENCE (CONTINUED)

PERSONNEL TYPE	AFSC	DESCRIPTION	PAGES
64	328X3	ECM SYSTEMS	III-29, IV-3.5, 6, 8, 9
65	328X4	INERTIAL SYSTEMS	III-31, IV-3.5, 6, 8, 9
66	321X20	FIRE CONTROL	III-32, IV-3.5, 6, 8, 9
67	462X0	WEAPON CONTROL	III-34, IV-3.5, 6, 8, 9
70	462X0	WEAPON CONTROL	III-34, IV-3.4, 5, 6, 8, 9
75	423X2	EGRESS SYSTEM	III-13, IV-3.4, 5, 6, 8, 9
78	328X4	INERTIAL SYSTEMS	III-31, 141, IV-3.4, 5, 6, 8, 9
79	321X20	FIRE CONTROL	III-32, 144, 145, 146, 147, IV-3.4, 5, 6, 8, 9
80	328X0	RADIO COMMUNICATION	III-25, 144, IV-3.4, 5, 6, 8, 9
81	328X1	RADAR NAVIGATION	III-27, 144, IV-3.4, 5, 6, 8, 9
82	427X5	AIRFRAME REPAIR	III-7, 129, 130, 131, 132, 133, 134, 135, 136, 138, 139, 148, 149, 149, 151, IV-3.4, 5, 6, 8, 9
83	423X0	ELECTRICAL SYSTEMS	III-9, 132, 133, 134, 135, 136, 137, 139, 140, IV-3.4, 5, 6, 8, 9
84	423X1	ENVIRONMENTAL	III-11, 137, 138, 139, 141, 152, IV-3.5, 6, 8, 9
85	328X3	ECM SYSTEMS	III-29, 152, IV-3.4, 5, 6, 8, 9
86	423X4	PNEUDRAULICS	III-14, 132, 133, 135, 140, IV-3.4, 5, 6, 8, 9
87	426X2	ENGINE	III-16, 136, 137, IV-3.4, 5, 6, 8, 9
88	325X0	AUTOPILOT	III-18, 142, 143, IV-3.4, 5, 6, 8, 9
89	325X1	AVIONICS/INSTR	III-20, 136, 141, 142, 143, 144, IV-3.4, 5, 6, 8, 9
90	322X2	SENSORS	III-22, 144, IV-3.4, 5, 6, 8, 9
197		CE/RRR	III-48, IV-3.6, 8, 9
198		CE/RRR	III-48, IV-3.6, 8, 9
199		CE/RRR	III-48, IV-3.6, 8, 9

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VI.3 AGE CROSS-REFERENCE

AGE TYPE	DESCRIPTION	PAGES
1	FUEL HYDRANT	III-5,6,124, IV-10
2	OIL CART	III-39,40,42,88, IV-10
3	HYDRAULIC MULE	III-14,42,60,88, IV-10
4	HYDRAULIC CART	III-14,42,63,64, 70,72,87,88,127a, IV-10
5	B-1 MAINT STAND	III-39,40,42,53, 56, IV-10
6	B-4 MAINT STAND	III-39,40,42,49, 51,58,125, IV-10
7	C-1 MAINT STAND	III-39,40,42,59, 67,68,78,97,99, 101,102,103,105, 106, IV-10
8	ENGINE CART	III-16,55,73, IV-10
9	ENGINE STAND	III-16,73, IV-10
10	ENGINE HOIST ASSY	III-16,73, IV-10
11	AM32A-60 GENERATOR	III-39,40,42,64, 67,68,69,76,78, 81,83,84,85,86, 96,98,99,101,102, 103,105,106,109, 113,114,115,118, 122, IV-10
12	MC-1A AIR COMPRESS	III-39,40,42,79, 80, IV-10
13	MC-2A AIR COMPRESS	III-39,40,42,99, 101, IV-10
14	AXLE JACK	III-39,40,42,60, 61,62,63, IV-10
15	WING JACK	III-39,40,42,64, IV-10
16	FUEL BOWERS	III-43, IV-10
17	FUEL TANK LOADER	III-43,89, IV-10
18	LOX CART	III-39,40,42,95, 124, IV-10
19	GUN TRAILER	III-46, IV-10
20	MMU-83 BOMBLIFT	III-46,128, IV-10
21	GUN LOADER GFU-7	III-42,46,116,124, IV-10
22	NITROGEN BOTTLE	III-11, IV-10
80	FUEL TRUCK	III-5,6,124,155, IV-10

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VI.4 PART NUMBER CROSS-REFERENCE

PART NO	WUC CODE	PART DESCRIPTION	PAGES
1	11AFO	WINDSHIELD ASSEMBLY	III-6, 49, 129, IV-11, 16, 21
2	11AFC	GLASS, SIDE WINDSHIELD, L.H./R.H.	III-35, 49, 129, 127d, IV-11, 16, 21
3	11ALO	BALLAST, VARIABLE	III-35, 49, 129, IV-11, 16, 21
4	11ARB	F2, OXYGEN CONVERTER	III-35, 49, 129, IV-11, 16, 21
5	11ARE	F5, SAFING AND GUN REMOVAL ACCESS	III-35, 49, 129, IV-11, 16, 21
6	11ARV	F14, ARMAMENT CIRCUIT BREAKER ACCESS	III-35, 49, 129, IV-11, 16, 21
7	11ASH	F44, AVIONICS ACCESS	III-35, 49, 129, IV-11, 16, 21
8	11ASK	F61, INVERTER, BATTERY RELAY BOX ACC	III-35, 49, 129, IV-11, 16, 21
9	11ASP	F65, BATTERY ACCESS	III-35, 49, 129, IV-11, 16, 21
10	11AST	F69, LADDER COMPARTMENT	III-35, 49, 129, IV-11, 16, 21
11	11ATE	F103, AVIONICS ACCESS	III-35, 49, 129, IV-11, 16, 21
12	11BOO	FUSELAGE, CENTER SECTION, STATION	III-8, 51, 129, IV-11, 16, 21
13	11BNA	F46, ELECTRICAL TROUGH ACCESS	III-8, 51, 129, IV-11, 16, 21
14	11COO	FUSELAGE, AFT SECTION, STATION	III-8, 52, 129, IV-11, 16, 21
15	11CEN	F45, ECS AND FUEL ACCESS	III-8, 52, 129, IV-11, 16, 21
16	11CEP	F47, AUXILIARY POWER UNIT ACCESS	III-8, 52, 129, IV-11, 16, 21
17	11DOO	WING ASSEMBLY	III-8, 53, 130, IV-11, 16, 21
18	11DGK	W21, LOWER PANEL ACCESS, RIGHT	III-8, 53, 130, IV-11, 16, 21
19	11DHK	W22, LOWER PANEL ACCESS, LEFT	III-8, 53, 130, IV-11, 16, 21
20	11DQB	W24, ACCESS PANEL OUTBOARD	III-8, 53, 130, IV-11, 16, 21
21	11EOO	EMPENNAGE	III-8, 54, 130, IV-11, 16, 21
22	11EEB	E3, COMPASS FLUX GATE ACCESS	III-8, 54, 130, IV-11, 16, 21
23	11EEF	E11, RUDDER TOP HINGE ACCESS, L.H.	III-8, 54, 130, IV-11, 16, 21
24	11EFF	E12, RUDDER TOP HINGE ACCESS, R.H.	III-8, 54, 130, IV-11, 16, 21
25	11FOO	ENGINE NACELLE, L.H./R.H.	III-8, 55, 131, IV-11, 16, 21
26	11FCC	N5, ENGINE LINES QAD ACCESS	III-8, 55, 131, IV-11, 16, 21
27	12AOO	COCKPIT	III-8, 56, 131, IV-11, 16, 21

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PART CROSS-REFERENCE (CONTINUED)

PART NO	WUC CODE	PART DESCRIPTION	PAGES
28	12AAB	BOTTLE ASSEMBLY, INSULATED VACUUM	III-8, 56, 131, IV-11, 16, 21
29	12AAK	GLARESHIELD, MAIN INSTRUMENT PANEL	III-8, 56, 131, IV-11, 16, 21
30	12AAL	ANTI-REFLECTION SHIELD	III-8, 56, 131, IV-11, 16, 21
31	12BAO	LADDER, CREW BOARDING	III-6, 57, 131, IV-11, 16, 21
32	12GGA	ACTUATOR ASSEMBLY, CANOPY	III-41, 58, 132, IV-11, 16, 21
34	13BHA	TIRE, NOSE LANDING GEAR	III-6, 59, 132, IV-11, 16, 21
35	13AOO	MAIN LANDING GEAR	III-41, 60, 132, IV-11, 16, 21
36	13ADO	ACTUATOR, MLG RETRACT/DRAG	III-41, 60, 132, IV-11, 16, 21
37	13BDO	ACTUATOR, NLG RETRACT/DRAG	III-6, 61, 132, IV-11, 16, 21
38	13COO	NOSE WHEEL STEERING SYSTEM	III-10, 62, 133, IV-11, 16, 21
39	13DAO	BRAKE ASSEMBLY, R.H./L.H.	III-10, 63, 133, IV-11, 16, 21
40	13DFO	ANTI-SKID SYSTEM	III-10, 63, 133, IV-11, 16, 21
41	13DFA	CONTROL UNIT, ANTI-SKID	III-10, 63, 133, IV-11, 16, 21
42	13GAA	PANEL, LANDING GEAR CONTROL	III-10, 64, 133, IV-11, 16, 21
43	13GAC	VALVE, LANDING GEAR SELECTOR	III-10, 64, 133, IV-11, 16, 21
44	14ABO	EMERGENCY FLIGHT CONTROL PANEL	III-10, 66, 133, IV-11, 16, 21
45	14CCA	ACTUATOR, AILERON	III-41, 67, 133, IV-11, 16, 21
46	14CDA	ACTUATOR, SERVO TAB SHIFTER	III-41, 67, 133, IV-11, 16, 21
47	14CDB	ACTUATOR, TRIM STEPPER	III-41, 67, 133, IV-11, 16, 21
48	14EOO	PITCH CONTROL SYSTEM	III-41, 68, 134, IV-11, 16, 21
49	14EAO	ELEVATOR ASSEMBLY, L.H./R.H.	III-41, 68, 134, 127b, IV-11, 16, 22
50	14EAA	TAB TRIM	III-41, 68, 135, IV-11, 16, 22
51	14EBM	TORQUESHAF, ELEVATOR ACTUATOR	III-41, 68, 135, IV-11, 16, 22
52	14ECA	ACTUATOR, ELEVATOR	III-41, 68, 135, IV-11, 16, 22
53	14EDA	ACTUATOR, PITCH TRIM	III-41, 68, 135, IV-12, 16, 22
54	14EDB	ACTUATOR, PITCH TRIM TAB	III-41, 68, 135, IV-12, 16, 22
55	14GAO	RUDDER ASSEMBLY, L.H./R.H.	III-41, 69, 135, 127b, IV-12, 17, 22
56	14GCA	ACTUATOR, RUDDER	III-41, 69, 135, IV-12, 17, 22

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PART CROSS-REFERENCE (CONTINUED)

PART NO	WUC CODE	PART DESCRIPTION	PAGES
57	14KAO	FLAP ASSEMBLY, INBOARD	III-41, 70, 135, 127a, IV-12, 17, 22
58	14KBO	FLAP ASSEMBLY, OUTBOARD	III-41, 70, 135, IV-12, 17, 22
59	14KDA	ACTUATOR, FLAP	III-41, 70, 135, IV-12, 17, 22
60	14NAO	SLAT ASSEMBLY	III-41, 72, 135, 127c, IV-12, 17, 22
61	14NCA	ACTUATOR, SLAT	III-41, 72, 135, IV-12, 17, 22
62	14NCB	VALVE ASSEMBLY, CONTROL	III-41, 72, 135, IV-12, 17, 22
63	23000	TURBO FAN POWER PLANT SYSTEM	III-17, 73, 136, IV-12, 17, 22
64	23ALF	AFT SHROUD DRAIN SEAL	III-17, 73, 136, IV-12, 17, 22
65	23AEO	SEAL ASSEMBLY, FAN AIR DUCT	III-17, 73, 136, IV-12, 17, 22
66	23AHO	ENGINE TO NACELLE PYLON ASSEMBLY	III-17, 73, 136, IV-12, 17, 22
67	23CBB	FAN FORWARD CASING	III-17, 73, 136, IV-12, 17, 22
68	23CPD	INTERTURBINE SEAL AND LINER	III-17, 73, 136, IV-12, 17, 22
69	23CSD	C-SUMP REAR COVER	III-17, 73, 136, IV-12, 17, 22
70	23DCA	MAIN FUEL CONTROL	III-17, 73, 136, IV-12, 17, 22
71	23DCJ	MAIN FUEL FILTER	III-17, 73, 136, IV-12, 17, 22
72	23DJL	AMPLIFIER CONTROL, T5	III-17, 73, 136, IV-12, 17, 22
73	23DKB	OIL FILLER TUBE	III-17, 73, 136, IV-12, 17, 22
74	23DLF	LUBE FILTER ELEMENT	III-17, 73, 136, IV-12, 17, 22
75	23GCA	GENERATOR, TACH CORE SPEED (NG)	III-17, 73, 136, IV-12, 17, 22
76	23GCB	INDICATOR, TACH, CORE SPEED (NG)	III-17, 73, 136, IV-12, 17, 22
77	23GCC	INDICATOR, TACH, FAN SPEED (NF)	III-17, 73, 136, IV-12, 17, 22
78	23GEA	INDICATOR, INTERTURBINE TEMPERATURE ...	III-17, 73, 136, IV-12, 17, 22
79	23GGB	INDICATOR, FUEL FLOW, LEFT ENGINE	III-17, 73, 136, IV-12, 17, 22
80	23GGC	INDICATOR, FUEL FLOW, RIGHT ENGINE	III-17, 73, 136, IV-12, 17, 22
81	23KAO	QUADRANT ASSEMBLY, ENGINE CONTROL	III-17, 73, 136, IV-12, 17, 22
82	23CAC	FAN BLADE	III-17, 73, 136, IV-12, 17, 22
83	23JAO	STARTER, AIR TURBINE	III-17, 73, 136, IV-12, 17, 22
84	23JBA	VALVE, ENGINE START, SOLENOID SHUT-OFF ..	III-17, 73, 136, IV-12, 17, 22

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PART CROSS-REFERENCE (CONTINUED)

PART NO	WUC CODE	PART DESCRIPTION	PAGES
85	24AFA	FUEL CONTROL	III-17.76.137, IV-12.17.22
86	24AHA	CONTROL, ELECTRONIC	III-17.76.137, IV-12.17.22
87	24AHE	THERMOCOUPLE, EGT	III-17.76.137, IV-12.17.22
88	41AAO	PANEL, ENVIRONMENTAL CONTROL	III-12.77.137, IV-12.17.22
89	41ABA	VALVE, TEMPERATURE CONTROL	III-12.77.137, IV-12.17.22
90	41ABF	CONTROLLER, CABIN TEMPERATURE SYSTEM ..	III-12.77.137, IV-12.17.22
91	41BOO	AIR CONDITIONING SYSTEM	III-12.78.138, IV-12.17.22
92	41BAA	AIR CYCLE MACHINE	III-12.78.138, IV-12.17.22
93	41BAB	HOUSING AND ASPIRATOR ASSEMBLY	III-12.78.139, IV-12.17.22
94	41BBD	DUCTS, LEFT SIDE, SERVICE AIR	III-12.78.139, IV-12.17.22
95	41BBM	OUTLET ASSEMBLY, CABIN AIR	III-12.78.139, IV-12.17.22
96	41BBN	VALVE, MANUAL CABIN AIR DIRECTOR	III-12.78.139, IV-12.17.22
97	41BCB	VALVE, PRESSURE REGULATING/SHUT-OFF ...	III-12.78.139, IV-12.17.22
98	41EAA	CONTROL UNIT, ANTI-ICE SYSTEM	III-10.79.139, IV-12.17.22
99	41GOO	WASH SYSTEMS	III-12.80.139, IV-12.17.22
100	41GAE	PRESSURE REGULATOR, WASH SYSTEMS	III-12.80.139, IV-12.17.22
101	42AOO	AC POWER GENERATING SYSTEM	III-17.81.139, IV-12.17.22
102	42AAO	INTEGRATED DRIVE GENERATOR, L.H./R.H. .	III-17.81.139, IV-12.17.22
103	42AEO	CONTROL UNIT, GENERATOR L.H./R.H.	III-17.81.139, IV-12.17.22
104	42BAO	INVERTER, STANDBY	III-10.82.139, IV-12.17.22
105	42FOO	AC/DC DISTRIBUTION SYSTEM	III-10.83.139, IV-12.17.22
106	42FAB	BOX ASSEMBLY, MISC RELAYS	III-10.83.139, IV-12.17.23
107	42FAC	BOX ASSEMBLY, COCKPIT AC POWER RELAYS .	III-10.83.139, IV-12.17.23
108	42FAE	BOX ASSEMBLY, FUEL/ENGINE RELAYS	III-10.83.139, IV-12.17.23
109	42FAG	BOX ASSEMBLY, LANDING GEAR RELAYS	III-10.83.140, IV-12.17.23
110	44AAO	CNTL PANEL, EXTERIOR & INTER LIGHT	III-10.84.140, IV-13.17.23
111	44BBO	POWER SUPPLY, STROBE LIGHTS	III-10.85.140, IV-13.17.23
112	44BEB	LIGHT, LOWER FUSELAGE	III-10.85.140, IV-13.18.23

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PART NO	WUC CODE	PART DESCRIPTION	PAGES
113	44BEC	LIGHT,FORMAT/TAIL FLOOD, VERT STAB	III-10,85,140, IV-13,18,23
114	44COO	INTERIOR LIGHTING SYSTEM	III-10,86,140, IV-13,18,23
115	44CDO	PANEL ASSEMBLY, AUX LIGHTING	III-10,86,140, IV-13,18,23
116	44CFO	PANEL, MASTER CAUTION ANNUNCIATOR	III-10,86,140, IV-13,18,23
117	44CGA	UTILITY LIGHT	III-10,86,140, IV-13,18,23
118	45A00	LEFT HYDRAULIC POWER SYSTEM	III-35,87,140, IV-13,18,23
119	45AAA	PUMP, HYDRAULIC ENGINE DRIVEN, LEFT	III-35,87,140, IV-13,18,23
120	45ACL	VALVE, SYSTEM SHUT OFF	III-35,87,140, IV-13,18,23
121	45ACT	ACCUMULATOR, BOOT STRAP	III-35,87,140, IV-13,18,23
122	45ADO	LEFT HYDRAULIC RESERVOIR ASSEMBLY	III-35,87,140, IV-13,18,23
123	45AFD	HOSE, PRESS,ENGINE/FUSELAGE PYLONS	III-35,87,140, 127a, IV-13,18,23
124	45BAA	PUMP, HYDRAULIC ENGINE DRIVEN, RIGHT	III-15,88,140, IV-13,18,23
125	45BDO	RIGHT HYDRAULIC RESERVOIR ASSEMBLY	III-15,88,140, IV-13,18,23
126	45DAO	PUMP, HYDRAULIC, 10 GPM	III-15,88,140, IV-13,18,23
127	46AEO	FUEL TANK, EXTERNAL, 600 GALLON	III-44,89,140, IV-13,18,23
128	46BDA	RELAY, ELECTRICAL	III-44,90,141, IV-13,18,23
129	46BDK	AMPLIFIER, SIGNAL	III-44,90,141, IV-13,18,23
130	46DAA	INDICATOR, FUEL QUANTITY & TOTAL	III-21,92,141, IV-13,18,23
131	46DAD	INTERMEDIATE DEVICE	III-21,92,141, IV-13,18,23
132	46EAO	PUMP ASSY,LEFT/RIGHT MAIN TANK BOOST	III-44,93,141, IV-13,18,23
133	46FBF	VALVE, RIGHT WING PILOT SHUTOFF	III-44,94,141, IV-13,18,23
134	47A77	CONNECTORS, AIRCRAFT ELECTRICAL	III-12,95,141, IV-13,18,23
135	47AAO	CONVERTER ASSEMBLY, LOX, MB-5/A	III-12,95,141, IV-13,18,23
136	47AAD	CAP, BUILD-UP AND VENT	III-12,95,141, IV-13,18,23
137	47ABA	REGULATOR, DILUTER DEMAND, CRU-73A	III-12,95,141, IV-13,18,23
138	47ACA	INDICATOR, LOX QUANTITY, GMU-37A	III-12,95,141, IV-13,18,23
139	49AAB	SENSOR, 650 DEGREES F	III-96, IV-13,18, 23
140	49B00	FIRE EXTINGUISHING SYSTEM	III-10,97,141, IV-13,18,23

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PART NO	WUC CODE	PART DESCRIPTION	PAGES
141	41BAD	CANISTERS, EXTINGUISHING SYSTEM	III-10,97,141, IV-13,18,23
142	51INS	INERTIAL SYSTEMS	III-31,98,141, IV-13,18,23
143	51COO	FLIGHT INSTRUMENTS	III-21,99,141, IV-13,18,23
144	51CAA	ACCELEROMETER, NORMAL	III-21,99,141, IV-13,18,23
145	51CAB	INDICATOR, STANDBY ATTITUDE	III-21,99,141, IV-13,18,23
146	51CAC	INDICATOR, ATTITUDE DIRECTOR	III-21,99,141, IV-13,18,23
147	51CDA	PROBE, PITOT STATIC	III-99, IV-13,18, 23
148	51CDE	DRAINS, PITOT STATIC LINES	III-99, IV-13,18, 23
149	51CDK	COMPUTER TRANSDUCER-ALTITUDE	III-21,99,141, IV-13,18,23
150	51CDM	INDICATOR, AIRSPEED	III-6,21,59,99, 142, IV-13,18,2,3
151	51CDP	ALTIMETER, AAU-19/A	III-6,59,99,142, IV-13,18,23
152	51CDR	ALTIMETER, AAU-34/A	III-21,99,142, IV-13,18,23
153	51CDS	INDICATOR, VERTICAL VELOCITY	III-21,99,142, IV-13,18,23
154	51CGB	INDICATOR, ANGLE OF ATTACK	III-21,99,142, IV-13,18,23
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