

DUTY AREA  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

## A. GENERAL, OPERATIONAL AND SAFETY DUTIES

1. Operates and maintains applicable shop support/special equipment.
2. Demonstrates/applies knowledge of applicable aircraft publications, diagrams, sketches and drawings.
3. Performs tasks on the aircraft using applicable precision measuring equipment.
4. Demonstrates/applies applicable safety precautions and procedures around the aircraft and work center.

## B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs required scheduled/unscheduled inspections on applicable systems/components using Maintenance Requirement Cards.
2. Incorporates applicable Technical Directives system.
3. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational maintenance on the engine using appropriate maintenance procedures and support/test equipment.
4. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine bleed air system using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine electrical/starting system using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the propulsion system controls using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine lubrication system using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine fuel system using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the propeller system using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Gas Turbine Compressor (GTC) using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Air Turbine Motor (ATM) using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Auxiliary Power Unit (APU) using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the aircraft fuel systems using appropriate maintenance procedures and support/test equipment.
14. Demonstrates and performs applicable procedures when fueling A/C using appropriate maintenance procedures and support equipment.
15. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level aircraft ground handling using appropriate procedures for support equipment.
16. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the primary AC power system using appropriate maintenance procedures and support/test equipment.

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17. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **secondary AC power system** using appropriate maintenance procedures and support/test equipment.
18. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **DC power system** using appropriate maintenance procedures and support/test equipment.
19. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **fire isolation/detection system** using appropriate maintenance procedures and support/test equipment.
20. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **ice detection system** using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **propeller anti/de-ice system** using appropriate maintenance procedures and support/test equipment.
22. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **windshield anti-ice system** using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **fuel quantity indicating system** using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **electronic fuel control system** using appropriate maintenance procedures and support/test equipment.
25. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **propeller synchro phaser system** using appropriate maintenance procedures and support/test equipment.
26. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **C-12 compass system** using appropriate maintenance procedures and support/test equipment.
27. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **FCS 105 flight system** using appropriate maintenance procedures and support/test equipment.
28. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **pitot static system using** appropriate maintenance procedures and support/test equipment.
29. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **inertial navigation system** using appropriate maintenance procedures and support/test equipment.
30. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **lighting system** using appropriate maintenance procedures and support/test equipment.
31. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Ground Proximity Warning System (GPWS)**, using appropriate maintenance procedures and support/test equipment.
32. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **basic and miscellaneous aircraft instruments** using appropriate maintenance procedures and support/test equipment.
33. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **B&D 2504 true airspeed system** using appropriate maintenance procedures and support/test equipment.
34. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **anti-skid/wheel brake system** using appropriate maintenance procedures and support/test equipment.
35. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **bleed air system** using appropriate maintenance procedures and support/test equipment.
36. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Flight Station Air Conditioning System (FSACS)** using appropriate maintenance procedures and support/test equipment.

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37. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Cargo Compartment Air Conditioning System (C/CACS) using appropriate maintenance procedures and support/test equipment.
38. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the underfloor heat system using appropriate maintenance procedures and support/test equipment.
39. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the pressurization system using appropriate maintenance procedures and support/test equipment.
40. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the anti-icing/de-icing system using appropriate maintenance procedures and support/test equipment.
41. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the oxygen system using appropriate maintenance procedures and support/test equipment.
42. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the fire extinguishing system using appropriate maintenance procedures and support/test equipment.
43. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the utility hydraulic system using appropriate maintenance procedures and support/test equipment.
44. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the auxiliary hydraulic system using appropriate maintenance procedures and support/test equipment.
45. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the landing gear and related systems using appropriate maintenance procedures and support/test equipment.
46. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the wing flaps system using appropriate maintenance procedures and support/test equipment.
47. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the in-flight refueling system using appropriate maintenance procedures and support/test equipment.
48. Performs hydraulic fluid sampling.
49. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/AIC-14, 18 Intercommunications Systems (ICS) using appropriate maintenance procedures and support/test equipment.
50. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/AIC-13, public address set using appropriate maintenance procedures and support/test equipment.
51. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARC-159, UHF system using appropriate maintenance procedures and support/test equipment.
52. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARA-25, 50 UHF Directional Finder (DF) systems using appropriate maintenance procedures and support/test equipment.
53. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARC-186, VHF radio systems using appropriate maintenance procedures and support/test equipment.
54. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARC-102, 190 High Frequency (HF) systems using appropriate maintenance procedures and support/test equipment.
55. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/APX-72, 100 IFF systems using appropriate maintenance procedures and support/test equipment.
56. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/APX-76, IFF interrogator system using appropriate maintenance procedures and support/test equipment.

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57. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/APS-133, weather radar systems using appropriate maintenance procedures and support/test equipment.
58. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the DF-206, Automatic Directional Finder (ADF) systems using appropriate maintenance procedures and support/test equipment.
59. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARN-126, Visual OMNI Range Receiver (VOR) systems using appropriate maintenance procedures and support/test equipment.
60. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARN-21, 84, 118, 139 TACAN systems using appropriate maintenance procedures and support/test equipment.
61. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/APN-232, high range altimeter systems using appropriate maintenance procedures and support/test equipment.
62. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARA-63, Microwave Landing System (MLS) using appropriate maintenance procedures and support/test equipment.
63. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Horizontal Situation Indicator (HSI)/flight director system using appropriate maintenance procedures and support/test equipment.
64. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the flight control systems using appropriate maintenance procedures and support/test equipment.
65. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the forward fuselage using appropriate maintenance procedures and support/test equipment.
66. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the aerial delivery systems using appropriate maintenance procedures and support/test equipment.
67. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the wing group using appropriate maintenance procedures and support/test equipment.
68. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the aircraft skin/ structural repair using appropriate maintenance procedures and support/test equipment.
69. Performs applicable organizational level maintenance on removal/installation of aircraft common hardware using appropriate maintenance procedures and support equipment.

SKILL PROGRESSION LEVEL DEFINITIONS

LEVEL I: An asterisk in level I indicates the task is taught at the "Entry Level (A) School".

Level II: An asterisk in level II indicates the task is taught at the NAMTRA MARUNIT. Other tasks in level II not indicated with an asterisk will be signed off when exposed to the individual for the first time. All subsequent training, which the Marine performs after initial exposure, should be annotated on the OPNAV 4790/33 form until he/she is signed off in level III.

LEVEL III: An asterisk in level III indicates the task is considered training essential. A sign-off in level III indicates the Marine can perform that task w/o direct supervision. The unit is responsible for these sign-off's.

LEVEL IV: Used by the unit to indicate an individual is advanced in technical and supervisory functions. Prior to sign-off, all training essential and training optional tasks in level III must have been signed-off. Only one sign-off for the Duty Area is required.

Sign-off blanks: (MO/YR)/(INDIVIDUAL'S INITIALS)/(SUPERVISOR'S INITIALS)

Note: Refer to MCO P4790.20\_ for further clarification.

INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

NAME / SSN \_\_\_\_\_ Granted MOS 6241/6242 \_\_\_\_\_ / \_\_\_\_\_  
Granted MOS 6232/6242 \_\_\_\_\_ / \_\_\_\_\_ Level II Completed \_\_\_\_\_ / \_\_\_\_\_  
Level III Completed \_\_\_\_\_ / \_\_\_\_\_  
Level IV Completed \_\_\_\_\_ / \_\_\_\_\_

DUTY #	DUTY DESCRIPTION	LEVEL I		LEVEL II		LEVEL III		LEVEL IV	
		DATE	/ SIGN						
A.	GENERAL, OPERATIONAL AND SAFETY DUTIES	XX		XX		XX		XX	
A.1	SUPPORT/SPECIAL EQUIPMENT	/		/		/		/	
A.2	AIRCRAFT PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS	/		/		/		/	
A.3	PRECISION MEASURING EQUIPMENT	XXXXXXXXXXXXXXXXXXXX		/		/		/	
A.4	SAFETY PRECAUTIONS AND PROCEDURES	/		/		/		/	
B.	SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES	XX		XX		XX		XX	
B.1	SCHEDULED/UNSCHEDULED INSPECTIONS	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.2	TECHNICAL DIRECTIVES SYSTEM	XXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXX		/		/	
B.3	ENGINE	/		/		/		/	
B.4	ENGINE BLEED AIR SYSTEM	/		/		/		/	
B.5	ENGINE ELECTRICAL/STARTING SYSTEM	/		/		/		/	
B.6	PROPULSION SYSTEM CONTROLS	/		/		/		/	
B.7	ENGINE LUBRICATION SYSTEM	/		/		/		/	
B.8	ENGINE FUEL SYSTEM	/		/		/		/	
B.9	PROPELLER SYSTEM	/		/		/		/	
B.10	GAS TURBINE COMPRESSOR (GTC)	/		/		/		/	
B.11	AIR TURBINE MOTOR (ATM)	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.12	AUXILIARY POWER UNIT (APU)	/		/		/		/	
B.13	AIRCRAFT FUEL SYSTEMS	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.14	FUELING A/C	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.15	AIRCRAFT GROUND HANDLING	/		/		/		/	
B.16	PRIMARY AC POWER SYSTEM	/		/		/		/	
B.17	SECONDARY AC POWER SYSTEM	/		/		XXXXXXXXXXXXXXXXXXXX		/	
B.18	DC POWER SYSTEM	/		/		XXXXXXXXXXXXXXXXXXXX		/	
B.19	FIRE ISOLATION/DETECTION SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.20	ICE DETECTION SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.21	PROPELLER ANTI/DE-ICE SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.22	WINDSHIELD ANTI-ICE SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.23	FUEL QUANTITY INDICATING SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.24	ELECTRONIC FUEL CONTROL SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.25	PROPELLER SYNCHRO PHASER SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.26	C-12 COMPASS SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.27	FCS 105 FLIGHT SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.28	PITOT STATIC SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.29	INERTIAL NAVIGATION SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		/		/	
B.30	LIGHTING SYSTEM	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.31	GROUND PROXIMITY WARNING SYSTEM (GPWS)	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	
B.32	BASIC AND MISCELLANEOUS AIRCRAFT INSTRUMENTS	XXXXXXXXXXXXXXXXXXXX		/		XXXXXXXXXXXXXXXXXXXX		/	

IQS MOS 6232/6242 (Continued)

DUTY #	DUTY DESCRIPTION	LEVEL I		LEVEL II		LEVEL III		LEVEL IV	
		DATE	/ SIGN	DATE	/ SIGN	DATE	/ SIGN	DATE	/ SIGN
B.33	B&D 2504 TRUE AIRSPEED SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.34	ANTI-SKID/WHEEL BRAKE SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.35	BLEED AIR SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.36	FLIGHT STATION AIR CONDITIONING SYSTEM (FSACS)	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.37	CARGO COMPARTMENT AIR CONDITIONING SYSTEM (C/CACS)	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.38	UNDERFLOOR HEAT SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.39	PRESSURIZATION SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.40	ANTI-ICING/DE-ICING SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.41	OXYGEN SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.42	FIRE EXTINGUISHING SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.43	UTILITY HYDRAULIC SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.44	AUXILIARY HYDRAULIC SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.45	LANDING GEAR AND RELATED SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.46	WING FLAPS SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.47	IN-FLIGHT REFUELING SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.48	HYDRAULIC FLUID SAMPLING	XXXXXXXXXXXXXXXXXXXX	/						
B.49	AN/AIC-14, 18 INTERCOMMUNICATIONS SYSTEMS (ICS)	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.50	AN/AIC-13, PUBLIC ADDRESS SET	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.51	AN/ARC-159, UHF SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.52	AN/ARA-25, 50 UHF DIRECTIONAL FINDER (DF) SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.53	AN/ARC-186, VHF RADIO SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.54	AN/ARC-102, 190 HIGH FREQUENCY SYSTEMS (HF)	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.55	AN/APX-72, 100 IFF SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.56	AN/APX-76, IFF INTERROGATOR SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.57	AN/APS-133, WEATHER RADAR SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.58	DF-206, AUTOMATIC DIRECTIONAL FINDER (ADF) SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.59	AN/ARN-126, VISUAL OMNI RANGE RECEIVER (VOR) SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.60	AN/ARN-21, 84, 118, 139 TACAN SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.61	AN/APN-232, HIGH RANGE ALTIMETER SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/						
B.62	AN/ARA-63, MICROWAVE LANDING SYSTEM (MLS)	XXXXXXXXXXXXXXXXXXXX	/						
B.63	HORIZONTAL SITUATION INDICATOR (HSI)/FLIGHT DIRECTOR	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.64	FLIGHT CONTROL SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.65	FORWARD FUSELAGE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.66	AERIAL DELIVERY SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/						
B.67	WING GROUP	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.68	AIRCRAFT SKIN/ STRUCTURAL REPAIR	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.69	AIRCRAFT COMMON HARDWARE	XXXXXXXXXXXXXXXXXXXX	/						

DATE: April 2002

INDIVIDUAL QUALIFICATION RECORD  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

**A. GENERAL, OPERATIONAL AND SAFETY DUTIES**

A.1 Operates and maintains applicable shop support/special equipment.

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Engine sling		/ /	/ /	/ /	
B	Propeller sling (2 types)		/ /	/ /	/ /	
C	Hydraulic Servicing Unit, HSU-1	NA17-15BF-60	/ /	/ /	/ /	
D	Engine wash cart		/ /	/ /	/ /	
E	Borescope kit		/ /	/ /	/ /	
F	Depth gauge		/ /	/ /	/ /	
G	1/2/3 step rig pin		/ /	/ /	/ /	
H	Fuel pump wrench		/ /	/ /	/ /	
I	Oil screen spanner wrench		/ /	/ /	/ /	
J	Fuel control throttle lever point		/ /	/ /	/ /	
K	Turbine inner rear exhaust cone puller		/ /	/ /	/ /	
L	Speed sensing mount nut wrench		/ /	/ /	/ /	
M	Torque meter pickup depth gauge		/ /	/ /	/ /	
N	Gearbox oil filter torque adapter		/ /	/ /	/ /	
O	Power wrench (sweeney)		/ /	/ /	/ /	
P	Aircraft maintenance platforms, B-1, B-4, & B-5	NA19-600-175-6-1	* / /	* / /		
Q	Dome lifter assembly		/ /	/ /		
R	Pitch lock regulator puller		/ /	/ /		
S	Dome lifting handle		/ /	/ /		
T	Slip ring slide		/ /	/ /		
U	Propeller sleeve socket		/ /	/ /		
V	Dome cap wrench		/ /	/ /		
W	Spinner installation puller		/ /	/ /		
X	Spinner removal puller		/ /	/ /		
Y	Pump housing mechanical puller		/ /	/ /		
Z	Dome retaining nut wrench		/ /	/ /		
AA	Fuel tank cradle adapter/dolly		/ /	/ /		
BB	Auto tac RPM tester		/ /	/ /		
CC	Propeller balance equipment		/ /	/ /		
DD	Low pitch stop spanner wrench		/ /	/ /		
EE	Control assembly pressure tester		/ /	/ /		

A.2 Demonstrates/applies knowledge of applicable aircraft publications, diagrams, sketches and drawings.

A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2	*	* / /	* / /	
B	Naval Air Systems Command Technical Manual Program	NA00-25-100	*	* / /	* / /	
C	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910		/ /	* / /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Safety Requirements for Naval Aviation Shore Activities Manual	NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	* / /	
E	Aircraft Cleaning & Corrosion Control Manual	NA01-1A-509	*	* / /	* / /	
F	Preservation of Naval Aircraft Manual	NA15-01-500	*	* / /	* / /	
G	Support Equipment Corrosion Control Manual	NA17-1-125		* / /	* / /	
H	Work Unit Code Manual	NA01-75GA-8		* / /	* / /	
I	Maintenance Requirement Cards Decks	NA01-75GA (X)-6-X	*	* / /	* / /	
J	Aviation Hydraulics Manual	NA01-1A-17		/ /	* / /	
K	Fuel cell/tank maintenance	NA01-1A-35		* / /	* / /	
L	Principles of Operation, System Schematics, Testing and Troubleshooting Manuals	NA01-75GA (X)-2-1 thru NA01-75GA(X)-2-15		* / /	* / /	
M	System Maintenance/IPB Manuals	NA01-75GA (X)-4-1 thru NA01-75GA(X)-4-10	*	* / /	* / /	
N	Structural repair instructions	NA01-75GA (X)-2-3		* / /	* / /	
O	Electrical system	NA01-75GA (X)-2-7		* / /	* / /	
P	Engine build-up instructions w/IPB	NA01-75GA (X)-10		* / /	* / /	
Q	Pneumatic power gas turbine engine	NA03-105BC-23		* / /	* / /	
R	Pneumatic power gas turbine engine	NA03-105BC-25		* / /	* / /	
S	Air turbine drive and controls	NA03-105CB-7		* / /	* / /	
T	Air turbine drive and controls	NA03-105CB-9		* / /	* / /	
U	Turbo prop engine, T56-A-16	NA02B-5DE-6-1		* / /	* / /	
V	Turbo prop engine, (T56-A-16), w/IPB	NA02B-5DE-4		* / /	* / /	
W	Aircraft propeller control	NA03-20CAD-1		/ /	* / /	
X	Variable pitch aircraft propeller	NA03-20CBBJ-2		* / /	* / /	

A.3 Performs tasks on the aircraft using applicable precision measuring equipment.

A	Operates torque wrenches	NA01-75GA(X)-2-4		* / /	* / /	
B	Operates ohmmeter	NA01-75GA(X)-2-11		* / /	* / /	
C	Propeller dynamic balancer	NA01-75GA(X)-2-11		/ /	/ /	

A.4 Demonstrates/applies applicable safety precautions and procedures around the aircraft and work center.

A	Ground occupational safety & health programs in specific areas					
A-1	First aid procedures	Marine BST/ Essential Subjects Book		/ /	* / /	

DA A.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV	
A-2	Use of solvents/paints/strippers/sealers (shelf life)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Maint Inst		/ /	* / /		
A-3	Hazardous material	OPNAVINST 4790.2 OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Maint Inst		*	/ /		
A-4	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Maint Inst		*	/ /		
A-5	Entry into confined spaces	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Maint Inst		/ /	*	/ /	
A-6	Gas free engineering	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 NA01-1A-35 Local Maint Inst		/ /	*	/ /	
A-7	Personal protective clothing (Safety/flight boots, clothing, hearing/eye protection, etc.)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Maint Inst		*	/ /	*	/ /
A-8	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Maint Inst		*	/ /	*	/ /
B	Precautions & procedures on/around aircraft & support equipment						
B-1	Safety procedures on/around turning aircraft	NA01-75GA(X)-2-1 Local Maint Inst	*	*	/ /	*	/ /
B-2	Safety procedures on/near aircraft with pneumatic power	NA01-75GA(X)-2-1 Local Maint Inst		*	/ /	*	/ /
B-3	Safety procedures on/near aircraft when applying or removing external electrical power	NA01-75GA(X)-2-1 NA01-75GA(X)-2-4		*	/ /	*	/ /
B-4	Safety procedures on/near aircraft with use of hydraulic power	NA01-75GA(X)-2-1 Local Maint Inst		*	/ /	*	/ /
B-5	Safety procedures on/near aircraft with ordnance	NA01-75GA(X)-2-1 Local Maint Inst		*	/ /	*	/ /
B-6	Safety procedures when jacking aircraft or while aircraft is on jacks	NA01-75GA(X)-2-1 Local Maint Inst		*		*	

DA A.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV	
B-7	Safety procedures on/near aircraft maintenance platforms	NA01-75GA(X)-2-1 Local Maint Inst		*	/ /	*	/ /
B-8	Safety precautions when washing aircraft	NA01-1A-509 NA01-75GA(X)-2-1 Local Maint Inst			/ /	/ /	
B-9	Safety procedures on/near support equipment operations	NA01-75GA(X)-2-1 Local Maint Inst		*	/ /	*	/ /
B-10	Safety procedures when securing aircraft with protective covers/devices (red gear)	NA01-75GA(X)-2-1 Local Maint Inst		*	/ /	*	/ /
B-11	Safety procedures when installing or removing aircraft safety pins and locks	NA01-75GA(X)-2-1 Local Maint Inst		*	/ /	*	/ /
C	Line emergency procedures						
C-1	Types of fire extinguishers/use	NA01-75GA(X)-2-1		/ /	*	/ /	
C-2	Emergency egress procedures	NA01-75GA(X)-2-1		/ /	*	/ /	
C-3	Fire fighting			/ /	/ /		
C-3.1	Proper extinguishing for hot brakes	NA01-75GA(X)-2-1		/ /	*	/ /	
C-3.2	Proper extinguishing for engine fire	NA01-75GA(X)-2-1	*	/ /	*	/	
C-3.3	Procedures when aircraft has loss of brakes	NA01-75GA(X)-2-1		/ /	*	/	
C-3.4	Proper extinguishing for GTC/APU fire	NA01-75GA(X)-2-1	*	/ /	*	/ /	
C-4	Emergency hand signals	NA01-75GA(X)-2-1	*	*	/ /	*	/ /
D	FOD prevention	OPNAVINST 4790.2 Local Maint Inst	*	*	/ /	*	/ /
E	Hydraulic contamination	OPNAVINST 4790.2 NA01-1A-17 Local Maint Inst	*	*	/ /	*	/ /
F	Electro-Magnetic Interference (EMI), Electrical Static Discharge (ESD), & Electro-Magnetic Compatibility (EMC)	OPNAVINST 4790.2 Local Maint Inst			/ /	*	/ /
G	Emergency reclamation	OPNAVINST 4790.2 NA01-1A-509 Local Maint Inst			/ /	*	/ /

INDIVIDUAL QUALIFICATION RECORD  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

**B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES**

B.1 Performs required scheduled/unscheduled inspections on applicable systems/components using appropriate Maintenance Requirement Cards.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Periodic Maintenance Information Cards	NA01-75GA(X)-6		*	/ /	*	/ /
B	Phase Maintenance Requirement Cards						
B-1	Performs phase "A" inspection	NA01-75GA(X)-6-4		*	/ /	*	/ /
B-2	Performs phase "B" inspection	NA01-75GA(X)-6-4		*	/ /	*	/ /
B-3	Performs phase "C" inspection	NA01-75GA(X)-6-4		*	/ /	*	/ /
B-4	Performs phase "D" inspection	NA01-75GA(X)-6-4		*	/ /	*	/ /
B-5	Performs phase Run-up	50EB-6-1		*	/ /	*	/ /
C	Performs daily inspection	NA01-75GA(X)-6-3		*	/ /	*	/ /
D	Performs servicing	NA01-75GA(X)-6-3		*	/ /	*	/ /
E	Performs 7-day inspection	NA01-75GA(X)-6-3		*	/ /	*	/ /
F	Performs 28-day inspection	NA01-75GA(X)-6-3		*	/ /	*	/ /
G	Performs 56-day inspection	NA01-75GA(X)-6-3		*	/ /	*	/ /
H	Performs 112-day inspection	NA01-75GA(X)-6-2		/ /		*	/ /
I	Performs 125-hour inspection	NA01-75GA(X)-6-2		/ /		*	/ /
J	Performs 224-day inspection	NA01-75GA(X)-6-3		*	/ /	*	/ /
K	Performs over-temperature inspection	NA01-75GA(X)-2-4		*	/ /	*	/ /
L	Performs over-torque inspection	NA01-75GA(X)-3		*	/ /	*	/ /
M	Performs preservation/depreservation inspections	NA01-75GA(X)-6-3		/ /		*	/ /
N	Performs acceptance/transfer inspections	OPNAVINST 4790.2		/ /		*	/ /

B.2 Incorporates applicable Technical Directives changes/bulletins.

A	Rapid Action Minor Engineering Change (RAMEC) Proposals	NAVAIRINST 5215.10			/ /	*	/ /	
B	Incorporates Technical Directives changes/bulletins	OPNAVINST 4790.2			/ /	*	/ /	

B.3 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine using appropriate maintenance procedures and support/test equipment.

A	Theory of operation							
A-1	Engine (Basic)	NA01-75GA(X)-2-4		*	*	/ /	*	/ /
A-2	Engine (Advanced)	NA01-75GA(X)-2-4		*	/ /		*	/ /

DA B.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Functional check						
B-1	Engine	NA01-75GA(X)-2-4		*	/ /	*	/ /
C	Fault isolation						
C-1	Engine	NA01-75GA(X)-2-4		*	/ /	*	/ /
D	Organizational maintenance						
D-1	R&R engine	NA01-75GA(X)-2-4	293AD	*	/ /	*	/ /
D-2	R&R tail pipe	NA01-75GA(X)-2-4	293A0		/ /	/	/ /
D-3	R&R rear turbine bearing support	NA02B-5DE-6-1	223DUMO		/ /	/	/ /
D-4	R&R gearbox garlock seals	NA02B-5DE-6-1	223G372		/ /	/	/ /
D-5	R&R prop shaft seal (thrust plate)	NA02B-5DE-6-1	223G480		/ /	*	/ /
D-6	Performs engine leakage check	NA01-75GA(X)-2-4	290000	*	/ /	*	/ /
D-7	Performs compressor wash	NA01-75GA(X)-2-4	040		/ /	*	/ /
D-8	Performs propeller brake release	NA01-75GA(X)-2-4	223G370		/ /	/	/ /
D-9	Borescopes engine	NA01-75GA(X)-2-4	2230600		/ /	/	/ /

B.4 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine bleed air system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Engine bleed air system	NA01-75GA(X)-2-4		*	* / /	*	/ /
B	Functional check						
B-1	Engine bleed air system	NA01-75GA(X)-2-4		*	/ /	*	/ /
C	Fault isolation						
C-1	Engine bleed air system	NA01-75GA(X)-2-4	29000		* / /	*	/ /
D	Organizational maintenance						
D-1	R&R one-way check valve	NA01-75GA(X)-2-4	293A100		/ /	/	/ /
D-2	R&R 5th & 10th stage bleed air valve	NA01-75GA(X)-2-4	223DW00		/ /	/	/ /
D-3	R&R inlet scoop anti-icing valve	NA01-75GA(X)-2-4	223D440		/ /	/	/ /
D-4	R&R torque meter shroud	NA01-75GA(X)-10	223F0		/ /	/	/ /
D-5	R&R upper compressor bleed air manifold	NA01-75GA(X)-10	293A100		/ /	/	/ /
D-6	R&R speed sensitive valve	NA01-75GA(X)-2-4	223D420	*	/ /	*	/ /
D-7	R&R air inlet housing strut anti-icing valve	NA01-75GA(X)-2-4	293A6F1		/ /	/	/ /
D-8	R&R bleed air manifold for oil cooler augmentation system (T)	NA01-75GA(X)-2-4	293A6D5		/ /	/	/ /
D-9	R&R modulation valve	NA01-75GA(X)-2-10	41A1130		/ /	*	/ /

B.5 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine electrical/starting system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Engine electrical/starter system (Basic)	NA01-75GA(X)-2-4		*	* / /	/ /	
A-2	Engine electrical/starter system (Advanced)	NA01-75GA(X)-2-4			* / /	/ /	
B	Functional check						
B-1	Electrical/starter system	NA01-75GA(X)-2-4			* / /	* / /	
C	Fault isolation						
C-1	Electrical/starter system	NA01-75GA(X)-2-4	223D300		* / /	* / /	
D	Organizational maintenance						
D-1	R&R turbine inlet thermocouples	NA01-75GA(X)-2-4	223D330		/ /	* / /	
D-2	R&R ignition exciter	NA01-75GA(X)-2-4	223D330		/ /	* / /	
D-3	R&R ignition relay	NA01-75GA(X)-2-4	223D3E0		/ /	* / /	
D-4	R&R ignitor	NA01-75GA(X)-2-4	223D3G0		/ /	* / /	
D-5	R&R ice detector probe	NA01-75GA(X)-2-4			/ /	/ /	
D-6	R&R starter control valve	NA01-75GA(X)-2-4	293AC00		/ /	* / /	
D-7	R&R starter	NA01-75GA(X)-2-4	293AB	*	* / /	* / /	
D-8	R&R torque meter pick-up	NA01-75GA(X)-10	223F1		/ /	/ /	
D-9	R&R tachometer generator	NA01-75GA(X)-10	29BAK10		/ /	* / /	
D-10	R&R speed sensing control	NA01-75GA(X)-2-4	223D470	*	* / /	* / /	

B.6 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the propulsion system controls using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Propulsion system controls	NA01-75GA(X)-2-4		*	* / /	* / /	
B	Functional check						
B-1	Propulsion system controls	NA01-75GA(X)-2-4			* / /	* / /	
C	Fault isolation						
C-1	Propulsion system controls	NA01-75GA(X)-2-4	293A690		* / /	* / /	
C-2	Coordinator (electrical micro-switches)	NA01-75GA(X)-2-4	293A690		/ /	/ /	
D	Organizational maintenance						
D-1	R&R link assembly condition control (4.5 in. rod)	NA01-75GA(X)-2-4	223D4G0		/ /	/ /	
D-2	R&R throttle pulley gimble ring	NA01-75GA(X)-2-4	293A693		/ /	/ /	
D-3	R&R throttle pulley gimble yoke	NA01-75GA(X)-2-4	293A693		/ /	/ /	
D-4	R&R upper control stabilizer link assembly	NA01-75GA(X)-2-4	293A692		/ /	/ /	
D-5	R&R intermediate control stabilizer link assembly	NA01-75GA(X)-2-4			/ /	/ /	
D-6	R&R lower control stabilizer link assembly	NA01-75GA(X)-2-4	293A693		/ /	/ /	
D-7	R&R condition control transfer link assembly (dogbone)	NA01-75GA(X)-2-4	293A6A0		/ /	/ /	

DA B.6 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-8	R&R condition control transfer bracket assembly	NA01-75GA(X)-2-4	293A690		/ /	/ /	
D-9	R&R engine throttle & condition control assembly	NA01-75GA(X)-2-4	293A690		/ /	/ /	
D-10	R&R engine throttle & condition control cables	NA01-75GA(X)-2-4	293A000		/ /	/ /	
D-11	R&R coordinator				/ /	/ /	
D-12	R&R fuel shutoff linkage (2 23/64)	NA01-75GA(X)-2-4	293A693		/ /	/ /	
D-13	Adjusts coordinator to fuel control linkage	NA01-75GA(X)-2-4	293A693		/ /	* / /	
D-14	Adjusts coordinator to propeller control linkage	NA01-75GA(X)-2-11	293A691		/ /	* / /	
D-15	Adjust linkage from fire seal support bracket to coordinator	NA01-75GA(X)-2-4	293A690		/ /	* / /	

B.7 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine lubrication system using appropriate maintenance procedures and support/test equipment

A	Theory of operation						
A-1	Engine oil system	NA01-75GA(X)-2-4		*	* / /	/ /	
B	Functional check						
B-1	Engine oil system	NA01-75GA(X)-2-4			* / /	* / /	
C	Fault isolation						
C-1	Engine oil system	NA01-75GA(X)-2-4	293A600		/ /	* / /	
D	Organizational maintenance						
D-1	R&R power section mag plug	NA01-75GA(X)-2-4	22308		/ /	/ /	
D-2	R&R main pressure oil pump	NA01-75GA(X)-2-4	2230A10		/ /	/ /	
D-3	R&R main oil filter assembly	NA01-75GA(X)-2-4	2230A20		/ /	/ /	
D-4	R&R turbine scavenge oil pump (rear)	NA02B-5DE-6-1	2230H00		/ /	/ /	
D-5	R&R inner rear exhaust cone	NA02B-5DE-6-1	223DUN0		/ /	/ /	
D-6	R&R gear box magnetic plug	NA01-75GA(X)-2-4	223G310		/ /	/ /	
D-7	R&R reduction gear oil pump & filter assembly	NA01-75GA(X)-2-4	223G700		/ /	/ /	
D-8	R&R power section oil filter	NA01-75GA(X)-2-4	223G710		/ /	/ /	
D-9	R&R gear box oil pressure transmitter	NA01-75GA(X)-2-4	293A6040		/ /	* / /	
D-10	R&R power section oil pressure transmitter	NA01-75GA(X)-2-4	293A605		/ /	* / /	
D-11	R&R oil cooler assembly	NA01-75GA(X)-2-4	293A605		/ /	/ /	
D-12	R&R oil quantity tank unit	NA01-75GA(X)-2-4	293A606		/ /	/ /	
D-13	R&R oil cooler flap actuator	NA01-75GA(X)-2-4	293A6E0		/ /	* / /	
D-14	R&R oil cooler regulator valve	NA01-75GA(X)-2-4	293A600		/ /	/ /	
D-15	R&R oil tank vent valve	NA01-75GA(X)-2-4	293A601		/ /	/ /	
D-16	R&R oil tank pressuring valve	NA01-75GA(X)-2-4	293A601		/ /	/ /	
D-17	R&R gear box pressurization valve	NA01-75GA(X)-2-4	293G3R0		/ /	/ /	

DA B.7 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-18	R&R power section pressure relief valve	NA01-75GA(X)-2-4	2230A12		/ /	/ /	
D-19	R&R oil tank shut-off valve	NA01-75GA(X)-2-4	293A603		/ /	/ /	
D-20	R&R engine oil tank	NA01-75GA(X)-2-4	2930601		/ /	/ /	
D-21	R&R engine oil lines	NA01-75GA(X)-2-4	293A6D0		/ /	/ /	
D-22	R&R forward internal propeller shaft seal	NA02B-5DE-6-1	223G3N5		/ /	/ /	
D-23	R&R oil temperature bulb	NA01-75GA(X)-2-4	293A600		/ /	/ /	
D-24	R&R oil temperature thermostat	NA01-75GA(X)-2-4	293A600		/ /	/ /	
D-25	Adjusts gear box oil pressure	NA01-75GA(X)-2-4	223G450		/ /	* / /	
D-26	Adjusts power section oil pressure	NA01-75GA(X)-2-4	2230A12		/ /	* / /	
D-27	R&R oil cooler augmentation system (T)	NA01-75GA(x)-2-4	293A6D5		/ /	/ /	

B.8 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the engine fuel system using appropriate maintenance procedures and support/test equipment

A	Theory of operation						
A-1	Engine fuel system	NA01-75GA(X)-2-4		*	* / /	/ /	
B	Functional check						
B-1	Engine fuel system (static)	NA01-75GA(X)-2-4			* / /	* / /	
C	Fault isolation						
C-1	Engine fuel system	NA01-75GA(X)-2-4	223D100	*	/ /	/ /	
C-2	Fuel control cut-off valve actuator (Geneva Lock)	NA02B-5DE-6-1	223D1B3	*	/ /	* / /	
C-3	Temperature datum valve	NA01-75GA(X)-2-4	223D1H0	*	/ /	* / /	
C-4	Fuel control	NA01-75GA(X)-2-4	223D1B0	*	/ /	* / /	
D	Organizational maintenance						
D-1	R&R burner drain valve	NA01-75GA(X)-2-4	223DR		/ /	/ /	
D-2	R&R low pressure fuel filter	NA01-75GA(X)-2-4	223D120		/ /	/ /	
D-3	R&R high pressure fuel filter	NA01-75GA(X)-2-4	223D1H0		/ /	/ /	
D-4	R&R paralleling valve	NA01-75GA(X)-2-4	223D1H3		/ /	/ /	
D-5	R&R fuel enrichment shut-off valve	NA01-75GA(X)-2-4	223D180		/ /	/ /	
D-6	R&R fuel manifold drain valve	NA01-75GA(X)-2-4	223D1A0		/ /	/ /	
D-7	R&R fuel enrichment pressure switch	NA01-75GA(X)-2-4	223D1A0		/ /	/ /	
D-8	R&R fuel nozzle	NA01-75GA(X)-2-4	223D1L0		/ /	/ /	
D-9	R&R fuel pump	NA01-75GA(X)-2-4	223D1G0		/ /	/ /	
D-10	R&R 3-way elbow valve	NA01-75GA(X)-2-4	223D1L0		/ /	/ /	
D-11	R&R fuel flow transmitter	NA01-75GA(X)-10	4622E10		/ /	/ /	
D-12	R&R fuel heater strainer filter	NA01-75GA(X)-10	293A6H1	*	/ /	* / /	
D-13	R&R fuel heater strainer	NA01-75GA(X)-2-4	293A6H1		/ /	/ /	
D-14	R&R fuel heater strainer by-pass switch	NA01-75GA(X)-2-4	293A6H1		/ /	/ /	
D-15	R&R fuel control cut-off actuator (geneva lock)	NA02B-5DE-6-1	223D1B3	*	/ /	* / /	
D-16	R&R engine fuel low pressure switch	NA01-75GA(X)-2-4			/ /	/ /	

DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-17	R&R secondary fuel pump pressure switch	NA01-75GA(X)-2-4	223DIH2		/ /	*	/ /
D-18	R&R engine fuel lines	NA01-75GA(X)-2-4	293A6HO		/ /	/ /	
D-19	Adjusts fuel control governor	NA01-75GA(X)-2-4	223D1BF		/ /	/ /	
D-20	Adjusts low speed ground idle	NA02B-5DE-6-1	223D1BF		/ /	/ /	
D-21	Adjusts temperature datum valve	NA01-75GA(X)-2-4	223D100		/ /	/ /	
D-22	Adjusts null orifice	NA01-75GA(X)-2-4	223D1J0		*	/ /	*

B.9 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the propeller system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Propeller system	NA01-75GA(X)-2-11		*	*	/ /	*
B	Functional check						
B-1	Propeller system (static) (Basic)	NA01-75GA(X)-2-11		*	/ /	*	/ /
B-2	Propeller system (static) (Advance)	NA01-75GA(X)-2-11		*	/ /	*	/ /
C	Fault isolation						
C-1	Propeller system	NA01-75GA(X)-2-11	32510	*	/ /	*	/ /
D	Organizational maintenance						
D-1	R&R propeller	NA01-75GA(X)-2-11	3251200	*	/ /	*	/ /
D-2	R&R front spinner	NA01-75GA(X)-2-11	3251110	*	/ /	*	/ /
D-3	R&R rear spinner	NA01-75GA(X)-2-11	3251130		/ /	/	/
D-4	R&R bottom after body assembly	NA01-75GA(X)-2-11	3251141/2	*	/ /	*	/ /
D-5	R&R propeller auxiliary feather motor	NA01-75GA(X)-2-11	3251360		/ /	/	/
D-6	R&R valve housing	NA01-75GA(X)-2-11	3251350	*	/ /	*	/ /
D-7	R&R propeller pump housing	NA01-75GA(X)-2-11	3251360	*	/ /	*	/ /
D-8	R&R propeller de-icing contact ring	NA01-75GA(X)-2-11	3251250		/ /	/	/
D-9	R&R brush blocks	NA01-75GA(X)-2-11	3251340	*	/ /	*	/ /
D-10	R&R pulse generator	NA01-75GA(X)-2-11	3251341		/ /	/	/
D-11	R&R front lip seal	NA01-75GA(X)-2-11	325136R		/ /	*	/ /
D-12	R&R rear lip seal	NA01-75GA(X)-2-11	325136F		/ /	*	/ /
D-13	R&R front cover plate	NA01-75GA(X)-2-11	325136E		/ /	*	/ /
D-14	R&R rear cover plate	NA01-75GA(X)-2-11	325136F		/ /	*	/ /
D-15	R&R dome	NA01-75GA(X)-2-11	3251220	*	/ /	*	/ /
D-16	R&R pitch lock regulator	NA01-75GA(X)-2-11	325130	*	/ /	*	/ /
D-17	R&R valve housing cover	NA01-75GA(X)-2-11	3251330	*	/ /	*	/ /
D-18	R&R 86 degree switch	NA01-75GA(X)-2-11	3251352		/ /	/	/
D-19	R&R feather micro switch	NA01-75GA(X)-2-11	3251352		/ /	/	/
D-20	Adjusts low pitch stop	NA01-75GA(X)-2-11	3251210	*	/ /	*	/ /
D-21	Adjusts NTS	NA01-75GA(X)-2-11	3251A	*	/ /	*	/ /
D-22	Adjusts mechanical RPM	NA01-75GA(X)-2-11	3251350	*	/ /	*	/ /
D-23	Adjusts reverse torque	NA01-75GA(X)-2-11	3251350	*	/ /	*	/ /
D-24	Adjusts blade angle	NA01-75GA(X)-2-11	3251350	*	/ /	*	/ /

DA B.9 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-25	Adjusts propeller 6 inch rod	NA01-75GA(X)-2-11	3251356	* / /	* / /	* / /	
D-26	Adjusts propeller micro-adjusting ring	NA01-75GA(X)-2-11	3251330		/ /	/ /	
D-27	Performs propeller blade blending	NA01-75GA(X)-2-11			/ /	/ /	
D-28	Performs propeller dynamic balancing	NA01-75GA(X)-2-11			/ /	/ /	
D-29	Performs propeller control leak check while removed	NA01-75GA(X)-2-11			/ /	/ /	

B.10 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Gas Turbine Compressor (GTC) using appropriate maintenance procedures and support/test equipment

A	Theory of operation						
A-1	Gas turbine compressor	NA01-75GA(X)-2-4		*	* / /	* / /	
B	Functional check						
B-1	Gas turbine compressor	NA01-75GA(X)-2-4			* / /	* / /	
C	Fault isolation						
C-1	Gas turbine compressor	NA01-75GA(X)-2-4	24B9100		* / /	/ /	
D	Organizational maintenance						
D-1	R&R gas turbine compressor	NA01-75GA(X)-2-4	24A6100		/ /	/ /	
D-2	R&R atomizer	NA03-105BC-23	24A6120		/ /	/ /	
D-3	R&R air unloading shut-off valve	NA03-105BC-23	24A6180		/ /	/ /	
D-4	R&R exhaust pipe	NA03-105BC-23	29BB100		/ /	/ /	
D-5	R&R starter assembly	NA03-105BC-23	24A6151		/ /	/ /	
D-6	R&R multiple centrifugal speed switch	NA-75GA(X)-2-4	24A6100		/ /	/ /	
D-7	R&R fuel pump & control unit	NA03-105BC-23	24A6152		/ /	/ /	
D-8	R&R one way check valve	NA01-75GA(X)-2-10			/ /	/ /	
D-9	R&R oil shut-off valve	NA03-105BC-23	2A6800		/ /	/ /	
D-10	R&R pneumatic thermostat	NA03-105BC-23	24A6N2		/ /	/ /	
D-11	R&R oil temperature regulator valve	NA01-105BC-23	24A6130		/ /	/ /	
D-12	R&R fuel pressure regulator	NA01-105BC-23	24A6171		/ /	/ /	
D-13	R&R fuel strainer		24A67		/ /	/ /	
D-14	R&R acceleration limiter valve	NA03-105BC-23	24A1682		/ /	/ /	
D-15	R&R oil tank	NA01-75GA(X)-2-4	24A6A		/ /	/ /	
D-16	R&R fuel/oil relays	NA03-105BC-23	24A6191		/ /	/ /	
D-17	R&R ignitor assy	NA03-105BC-23	24A6192		/ /	/ /	
D-18	R&R combustion can	NA03-105BC-23	24A6110		/ /	/ /	
D-19	R&R hour meter	NA03-105BC-23	24A6113		/ /	/ /	
D-20	R&R start meter	NA03-105BC-23	24A6193		/ /	/ /	
D-21	R&R door actuator	NA01-75GA(X)-2-4	11DJ831		/ /	* / /	
D-22	R&R oil pressure switch	NA03105BC-23	24B9310		/ /	/ /	
D-23	Adjusts acceleration limiter valve cracking pressure	NA01-75GA(X)-2-4	24A60		/ /	/ /	

DA B.10 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-24	Performs governor check and adjustment	NA03-105BC-23		/ /	/ /	/ /	
D-25	Performs acceleration and over temperature control thermostat check and adjustment	NA03-105BC-23		/ /	/ /	/ /	
D-26	Performs load control thermostat check and adjustment	NA03-105BC-23		/ /	/ /	/ /	
D-27	Performs acceleration stabilizer solenoid valve and adjustable orifice assembly check and adjustment	NA03-105BC-23		/ /	/ /	/ /	
D-28	Performs unloading air shut-off valve rate check and adjustment	NA03-105BC-23		/ /	/ /	/ /	
D-29	Performs centrifugal switch check and adjustment	NA03-105BC-23		/ /	/ /	/ /	
D-30	Performs static check of gas turbine compressor electrical components	NA01-75GA(X)-2-4		/ /	/ /	/ /	

B.11 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Air Turbine Motor (ATM) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Air turbine motor	NA01-75GA(X)-2-10		*	/ /	*	/ /
B	Functional check						
B-1	Air turbine motor	NA03-105CB-7		*	/ /	*	/ /
C	Fault isolation						
C-1	Air turbine motor	NA03-105CB-7	42410	*	/ /	*	/ /
D	Organizational maintenance						
D-1	R&R modulation valve	NA03-105CB-7	42413	/	/	/	/
D-2	R&R shut-off valve	NA03-105CB-7	42412	/	/	/	/
D-3	R&R air turbine motor	NA03-105CB-7	42410	/	/	/	/
D-4	R&R solenoid valve	NA03-105CB-7	42414	/	/	/	/
D-5	R&R air turbine motor cooling fan	NA03-105CB-7	42416	/	/	/	/
D-6	R&R over-speed trip valve	NA03-105CB-7	42414	/	/	/	/
D-7	R&R oil filter	NA03-105CB-7	42410	/	/	/	/
D-8	R&R moisture separator	NA03-105CB-7	42410	/	/	/	/

B.12 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Auxiliary Power Unit (APU) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation							
A-1	Auxiliary power unit	NA01-75GA(X)-2-4		*	*	/ /	*	/ /
B	Functional check							
B-1	Auxiliary power unit	NA01-75GA(X)-2-4		*	*	/ /	*	/ /

DA B.12 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	Auxiliary power unit	NA01-75GA(X)-2-4	24B90		/ /	* / /	
D	Organizational maintenance						
D-1	R&R auxiliary power unit	NA01-75GA(X)-2-4	24B90		/ /	/ /	
D-2	R&R combustion liner assembly	NA01-75GA(X)-2-4	24B9130		/ /	/ /	
D-3	R&R fuel control	NA01-75GA(X)-2-4	24B9150		/ /	/ /	
D-4	R&R fuel atomizer assembly	NA01-75GA(X)-2-4	24B9220		/ /	/ /	
D-5	R&R solenoid shut-off valve	NA01-75GA(X)-2-4	24B9250		/ /	/ /	
D-6	R&R differential pressure filter regulator	NA01-75GA(X)-2-4	24B9247		/ /	/ /	
D-7	R&R pneumatic shut-off valve	NA01-75GA(X)-2-4	24B9250		/ /	/ /	
D-8	R&R oil pressure and scavenge pump	NA01-75GA(X)-2-4	24B9310		/ /	/ /	
D-9	R&R oil cooler assembly	NA01-75GA(X)-2-4	24B9322		/ /	/ /	
D-10	R&R oil temperature regulator	NA01-75GA(X)-2-4	24B9300		/ /	/ /	
D-11	R&R oil tank regulator valve	NA01-75GA(X)-2-4	24B9320		/ /	/ /	
D-12	R&R multiple central switch assembly	NA01-75GA(X)-2-4	24B9410		/ /	/ /	
D-13	R&R ignitor assembly	NA01-75GA(X)-2-4	24B9500		/ /	/ /	
D-14	R&R starter assembly	NA01-75GA(X)-2-4	24B9510		/ /	/ /	
D-15	R&R TAC generator assembly	NA01-75GA(X)-2-4	24B9400		/ /	/ /	
D-16	R&R EGT probe	NA01-75GA(X)-2-4	24B9400		/ /	/ /	
D-17	R&R bleed air thermostat	NA01-75GA(X)-2-4	24A6172		/ /	/ /	
D-18	R&R oil tank	NA01-75GA(X)-2-4	29B13F00		/ /	/ /	
D-19	R&R door actuator	NA01-75GA(X)-2-4	11DJ831		/ /	* / /	
D-20	R&R oil pressure switch (door)	NA01-75GA(X)-2-4	24B9500		/ /	/ /	
D-21	R&R oil pressure switch (starting)	NA01-75GA(X)-2-4	24B9500		/ /	/ /	
D-22	R&R oil/fuel relay	NA01-75GA(X)-2-4	24B9500		/ /	/ /	
D-23	R&R exhaust pipe	NA01-75GA(X)-2-4	29B3700		/ /	/ /	
D-24	Checks and adjusts APU analyzer	NA01-75GA(X)-2-4	24B90		/ /	/ /	

B.13 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the aircraft fuel systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Refuel/defuel system	NA01-75GA(X)-2-5			* / /	/ /	
A-2	In-flight refueling system	NA01-75GA(X)-2-5			* / /	/ /	
A-3	Fuel vent system	NA01-75GA(X)-2-5			* / /	/ /	
A-4	Fuel transfer/jettison system	NA01-75GA(X)-2-5			* / /	/ /	
A-5	Fuel feed system	NA01-75GA(X)-2-5			* / /	/ /	
B	Functional check						
B-1	Refuel/defuel system	NA01-75GA(X)-2-5			* / /	* / /	
B-2	In-flight refueling system	NA01-75GA(X)-2-5			* / /	* / /	
B-3	Fuel vent system	NA01-75GA(X)-2-5			* / /	* / /	

DA B.13 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-4	Fuel transfer/jettison system	NA01-75GA(X)-2-5			*	/	/
B-5	Fuel feed system	NA01-75GA(X)-2-5			*	/	/
C	Fault isolation						
C-1	Refuel/defueling system	NA01-75GA(X)-2-5			*	/	/
C-2	In-flight refueling system	NA01-75GA(X)-2-5			*	/	/
C-3	Fuel vent system	NA01-75GA(X)-2-5			*	/	/
C-4	Fuel transfer/jettison system	NA01-75GA(X)-2-5			*	/	/
C-5	Fuel feed system	NA01-75GA(X)-2-5			*	/	/
D	Organizational maintenance						
D-1	R&R 1 inch valves	NA01-75GA(X)-2-5	46A81		/	/	/
D-2	R&R 1.5 inch valves	NA01-75GA(X)-2-5	46A82		/	/	/
D-3	R&R 3 inch valves	NA01-75GA(X)-2-5	46A83		/	/	/
D-4	R&R SPR drain valves	NA01-75GA(X)-2-5	46AT1		/	/	/
D-5	R&R cross feed primer valves	NA01-75GA(X)-2-5	46220		/	/	/
D-6	R&R cross feed fuel pressure transmitter	NA01-75GA(X)-2-5	46220		/	/	/
D-7	R&R IFR manifold fuel pressure transmitter	NA01-75GA(X)-2-5	46220		/	/	/
D-8	R&R reel fuel pressure transmitter	NA01-75GA(X)-2-5	46220		/	/	/
D-9	R&R IFR fuel flow indicator flow meter	NA01-75GA(X)-2-5	46C1220		/	/	/
D-10	R&R main tank boost pumps	NA01-75GA(X)-2-5	46A61		/	/	/
D-11	R&R main tank transfer/jettison pumps	NA01-75GA(X)-2-5	46164		/	/	/
D-12	R&R auxiliary tank transfer/jettison pumps	NA01-75GA(X)-2-5	46AR3		/	/	/
D-13	R&R external transfer/jettison pumps R/T	NA01-75GA(X)-2-5	4612442		/	/	/
D-14	R&R fuel tank transfer pump	NA01-75GA(X)-2-5	46C1N26		/	/	/
D-15	R&R IFR pumps	NA01-75GA(X)-2-5	46C1N23		/	/	/
D-16	R&R SPR drain pump	NA01-75GA(X)-2-5	46AT2		/	/	/
D-17	R&R scavenger pump	NA01-75GA(X)-2-5	46A65		/	/	/
D-18	R&R scavenger flow switch	NA01-75GA(X)-2-5	46A65		/	/	/
D-19	R&R water removal system	NA01-75GA(X)-2-5	46A62		/	/	/
D-20	R&R main tank fuel filter/filter assembly	NA01-75GA(X)-2-5	46A62		/	/	/
D-21	R&R fuel condensation valve	NA01-75GA(X)-2-5	4612411		/	/	/
D-22	R&R main tank fuel level control valve	NA01-75GA(X)-2-5	46A63		/	/	/
D-23	R&R aux tank level control valve	NA01-75GA(X)-2-5	46AR2		/	/	/
D-24	R&R external fuel tank level control valve R/T	NA01-75GA(X)-2-5	4612443		/	/	/
D-25	R&R fuel tank level control valve	NA01-75GA(X)-2-5	46C1N27		/	/	/
D-26	R&R fuel tank strap mounting	NA01-75GA(X)-2-5	46C1N00		/	/	/
D-27	R&R fuel tank dual rail mounted	NA01-75GA(X)-2-5	46C1N00		/	/	/
D-28	R&R fuel manifolds	NA01-75GA(X)-2-5	46A80		/	/	/
D-29	R&R fuel tank and vent box	NA01-75GA(X)-2-5	46C1F10		/	/	/
D-30	R&R forward man hole cover	NA01-75GA(X)-2-5	46C1N10		/	/	/
D-31	R&R rear manifold cover	NA01-75GA(X)-2-5	46C1N10		/	/	/
D-32	R&R fuel tank vent valves	NA01-75GA(X)-2-5	46C1E10		/	/	/
D-33	R&R fuel tank vent lines/assembly	NA01-75GA(X)-2-5	46C1M00		/	/	/
D-34	R&R fuel tank drain valve	NA01-75GA(X)-2-5	46C1N10		/	/	/

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TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-35	R&R auxiliary magnetic sight gauge	NA01-75GA(X)-2-5	46220	/ /	/ /	/ /	
D-36	R&R fuel system check valve	NA01-75GA(X)-2-5	46C1N24	/ /	/ /	/ /	
D-37	R&R aircraft fuel pressure switch	NA01-75GA(X)-2-5	46220	/ /	/ /	/ /	
D-38	R&R SPR fuel surge suppressor (R/T)	NA01-75GA(X)-2-5	46C115	/ /	/ /	/ /	

B.14 Demonstrates and performs applicable procedures when fueling A/C using appropriate maintenance procedures and support equipment.

A	Aircraft refueling						
A-1	Single point refueling	NA01-75GA(X)-2-5		*	/ /	*	/ /
A-2	Gravity refueling	NA01-75GA(X)-2-5		/ /		*	/ /
B	Defueling						
B-1	Pressure	NA01-75GA(X)-2-5		*	/ /	*	/ /
B-2	Suction	NA01-75GA(X)-2-5		/ /		*	/ /
C	Transfer fuel	NA01-75GA(X)-2-5		*	/ /	*	/ /
D	Fuel load verification	Local MI		*	/ /	*	/ /

B.15 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level aircraft ground handling using appropriate procedures for support equipment.

A	Ground handling						
A-1	Mooring aircraft	NA01-75GAA-2-1		*	/ /	*	/ /
B	Towing aircraft						
B-1	Tow team director	NA01-75GAA-2-1		*	/ /	*	/ /
B-2	Tow team driver	NA01-75GAA-2-1		/ /		*	/ /
C	Hand/arm signals						
C-1	Hand/arm signals (day operations)	NA00-80T-113		*	*	*	/ /
C-2	Hand/arm signals (night operations)	NA01-75GAA-2-1		*	/ /	*	/ /

B.16 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the primary AC power system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Primary AC power system (Basic)	NA01-75GA(X)-2-7		*	*	/ /	/ /
A-2	Primary AC power system (Advanced)	NA01-75GA(X)-2-7		*	/ /		/ /
B	Functional check						
B-1	Primary AC power system	NA01-75GA(X)-2-7		*	/ /		/ /
C	Fault isolation						
C-1	Primary AC power system	NA01-75GA(X)-2-7	42000	*	/ /		/ /

DA B.16 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R aircraft generator	NA01-75GA(X)-2-7	42115		/ /	* / /	
D-2	R&R aircraft generator disconnect	NA01-75GA(X)-2-7	42110		/ /	/ /	
D-3	R&R generator panel	NA01-75GA(X)-2-7	42BHF30		/ /	/ /	
D-4	R&R voltage regulator	NA01-75GA(X)-2-7	42BHF40		/ /	/ /	
D-5	R&R frequency sensitive relay	NA01-75GA(X)-2-7	42A6300		/ /	/ /	
D-6	R&R current transformer	NA01-75GA(X)-2-7	42BC0		/ /	/ /	
D-7	R&R buss contactor relay	NA01-75GA(X)-2-7	42A6120		/ /	/ /	
D-8	R&R ATM/APU generator	NA01-75GA(X)-2-7	42000		/ /	/ /	

B.17 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the secondary AC power system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Secondary AC power system (Basic)	NA01-75GA(X)-2-7		*	* / /	/ /	
A-2	Secondary AC power system (Advanced)	NA01-75GA(X)-2-7			* / /	/ /	
B	Functional check						
B-1	Secondary AC power system	NA01-75GA(X)-2-7			* / /	/ /	
C	Fault isolation						
C-1	Secondary AC power system	NA01-75GA(X)-2-7	42000		* / /	/ /	
D	Organizational maintenance						
D-1	R&R aircraft instrument inverter/engine fuel control	NA01-75GA(X)-2-7	42BH710		/ /	/ /	
D-2	R&R co-pilots inverter	NA01-75GA(X)-2-7	42BH720		/ /	/ /	
D-3	R&R power switching relay	NA01-75GA(X)-2-7	42000		/ /	/ /	

B.18 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the DC power system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	DC power system (Basic)	NA01-75GA(X)-2-7		*	* / /	/ /	
A-2	DC power system (Advanced)	NA01-75GA(X)-2-7			* / /	/ /	
B	Functional check						
B-1	DC power system	NA01-75GA(X)-2-7			/ /	/ /	
C	Fault isolation						
C-1	DC power system	NA01-75GA(X)-2-7	42842		/ /	/ /	
D	Organizational maintenance						
D-1	R&R aircraft batteries	NA01-75GA(X)-2-7	42BJ3		/ /	/ /	
D-2	R&R transformer rectifier	NA01-75GA(X)-2-7	42BHF80		/ /	/ /	
D-3	R&R reverse current relay	NA01-75GA(X)-2-7	42000		/ /	/ /	
D-4	R&R bleeder resistor	NA01-75GA(X)-2-7	42000		/ /	/ /	

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B.19 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **fire isolation/detection system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Fire detection system	NA01-75GA(X)-2-4			*	/	/
B	Functional check						
B-1	Fire detection system	NA01-75GA(X)-2-4			/	/	/
C	Fault isolation						
C-1	Fire detection system	NA01-75GA(X)-2-4	49A00		/	/	*
D	Organizational maintenance						
D-1	R&R fire detection loop	NA01-75GA(X)-2-4	293A680		/	/	/
D-2	R&R walter kiddie unit	NA01-75GA(X)-2-4	49A11		/	/	/
D-3	R&R turbine overheat detector	NA01-75GA(X)-2-4	293A670		/	/	/
D-4	R&R nacelle overheat detector	NA01-75GA(X)-2-4	293A670		/	/	*
D-5	R&R overheat keyer	NA01-75GA(X)-2-4			/	/	/

B.20 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **ice detection system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Ice detection system	NA01-75GA(X)-2-7			*	/	/
B	Functional check						
B-1	Ice detection system	NA01-75GA(X)-2-7			*	/	/
C	Fault isolation						
C-1	Ice detection system	NA01-75GA(X)-2-4	49A10		/	/	*
D	Organizational maintenance						
D-1	R&R engine ice detector	NA01-75GA(X)-2-4	49A10		/	/	/
D-2	R&R ice interpreter	NA01-75GA(X)-2-4	49A10		/	/	/

B.21 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **propeller anti/de-ice system** using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Propeller anti/de-ice system (Basic)	NA01-75GA(X)-2-7			*	/	/
A-2	Propeller anti/de-ice system (Advanced)	NA01-75GA(X)-2-7			*	/	/
B	Functional check						
B-1	Propeller anti/de-ice system	NA01-75GA(X)-2-7			/	/	/
C	Fault isolation						
C-1	Propeller anti/de-ice system	NA01-75GA(X)-2-7	42832		/	/	/
D	Organizational maintenance						
D-1	R&R de-icing timer	NA01-75GA(X)-2-7	41A2E12		/	/	/

B.22 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the windshield anti-ice system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Windshield anti-ice	NA01-75GA(X)-2-7			*	/	/
B	Functional check						
B-1	Windshield anti-ice	NA01-75GA(X)-2-7			/	/	/
C	Fault isolation						
C-1	Windshield anti-ice	NA01-75GA(X)-2-7	42835		/	/	/
D	Organizational maintenance						
D-1	R&R NESA control box	NA01-75GA(X)-2-7	41A2D10		/	/	/
D-2	R&R NESA transformer	NA01-75GA(X)-2-7	42835		/	/	/

B.23 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the fuel quantity indicating system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Fuel quantity indicating system (Basic)	NA01-75GA(X)-2-5			*	/	/
A-2	Fuel quantity indicating system (Advanced)	NA01-75GA(X)-2-5			*	/	/
B	Functional check						
B-1	Fuel quantity indicating system	NA01-75GA(X)-2-5			/	/	/
C	Fault isolation						
C-1	Fuel quantity indicating system	NA01-75GA(X)-2-5	46220		/	/	/
D	Organizational maintenance						
D-1	R&R fuel quantity indicators	NA01-75GA(X)-2-5	46220		/	/	/
D-2	R&R fuel quantity probes	NA01-75GA(X)-2-5	46A10		/	/	/
D-3	R&R fuel quantity totalizers	NA01-75GA(X)-2-5	4622K0		/	/	/
D-4	Repairs fuel quantity connectors	NA01-75GA(X)-2-5	4286C		/	/	/
D-5	Calibrates/adjusts fuel quantity indicators	NA01-75GA(X)-2-5	46220		/	/	/

B.24 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the electronic fuel control system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Electronic fuel control system (Basic)	NA01-75GA(X)-2-5			*	/	/
A-2	Electronic fuel control system (Advanced)	NA01-75GA(X)-2-5			*	/	/
B	Functional check						
B-1	Electronic fuel control system	NA01-75GA(X)-2-5			/	/	/
C	Fault isolation						
C-1	Electronic fuel control system	NA01-75GA(X)-2-5	29000		*	/	/

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R TD amplifiers	NA01-75GA(X)-2-5	293AA		/ /	/ /	
D-2	R&R "T" block assembly	NA01-75GA(X)-2-5	223D60		/ /	/ /	
D-3	R&R thermocouple harness	NA01-75GA(X)-2-5	223D370		/ /	/ /	
D-4	R&R allison relay box	NA01-75GA(X)-2-5	223D320		/ /	/ /	

B.25 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the propeller synchro phaser system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Propeller synchro phaser system	NA01-75GA(X)-2-11			*	/ /	/ /
B	Functional check						
B-1	Propeller synchro phaser system	NA01-75GA(X)-2-11			*	/ /	/ /
C	Fault isolation						
C-1	Propeller synchro phaser system	NA01-75GA(X)-2-11	3251400		*	/ /	/ /
D	Organizational maintenance						
D-1	R&R propeller synchro phaser assembly	NA01-75GA(X)-2-11	32515		/ /	/ /	
D-2	R&R master trim control box	NA01-75GA(X)-2-11	32515		/ /	/ /	

B.26 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the C-12 compass system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	C-12 compass system	NA01-75GA(X)-2-8			*	/ /	/ /
B	Functional check						
B-1	C-12 compass system	NA01-75GA(X)-2-8			*	/ /	*
C	Fault isolation						
C-1	C-12 compass system	NA01-75GA(X)-2-8	562E0		*	/ /	*
D	Organizational maintenance						
D-1	R&R compass amplifier	NA01-75GA(X)-2-8	562E4		/ /	/ /	
D-2	R&R compass gyro	NA01-75GA(X)-2-8	562E3		/ /	/ /	
D-3	R&R compass transmitter	NA01-75GA(X)-2-8	562E9		/ /	/ /	
D-4	R&R remote compensator	NA01-75GA(X)-2-8	562E2		/ /	/ /	
D-5	R&R digital controller	NA01-75GA(X)-2-8	562E5		/ /	/ /	
D-6	R&R heading coupler	NA01-75GA(X)-2-8	562E600		/ /	/ /	

B.27 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the FCS 105 flight system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	FCS 105 flight system	NA01-75GA(X)-2-8		*	/ /	/ /	
B	Functional check						
B-1	FCS 105 flight system	NA01-75GA(X)-2-8		*	/ /	*	/ /
C	Fault isolation						
C-1	FCS 105 flight system	NA01-75GA(X)-2-8	563J0	*	/ /	*	/ /
D	Organizational maintenance						
D-1	R&R altitude control	NA01-75GA(X)-2-8	563FJ00		/ /	/ /	
D-2	R&R flight computer	NA01-75GA(X)-2-8	563F200		/ /	/ /	
D-3	R&R mode selector	NA01-75GA(X)-2-8	563FT00		/ /	/ /	
D-4	R&R mode coupler	NA01-75GA(X)-2-8	563FM00		/ /	/ /	
D-5	R&R rate of turn sensor	NA01-75GA(X)-2-8	563FN00		/ /	/ /	
D-6	R&R vertical accelerometer sensor	NA01-75GA(X)-2-8	563FP00		/ /	/ /	
D-7	R&R auto-pilot controller	NA01-75GA(X)-2-8	5227300		/ /	/ /	
D-8	R&R yaw dampner computer	NA01-75GA(X)-2-8	5227200		/ /	/ /	
D-9	R&R autopilot amplifier	NA01-75GA(X)-2-8	5227100		/ /	/ /	
D-10	R&R servo	NA01-75GA(X)-2-8	5227400		/ /	/ /	

B.28 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the pitot static system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Pitot static system	NA01-75GA(X)-2-6		*	/ /	/ /	
B	Functional check						
B-1	Pitot static system	NA01-75GA(X)-2-6		*	/ /	/ /	
C	Fault isolation						
C-1	Pitot static system	NA01-75GA(X)-2-6	51C3100	*	/ /	/ /	
D	Organizational maintenance						
D-1	R&R pitot tube	NA01-75GA(X)-2-6	51C3130		/ /	/ /	
D-2	R&R airspeed indicator	NA01-75GA(X)-2-6	51R15		/ /	/ /	
D-3	R&R true airspeed indicator	NA01-75GA(X)-2-6	51R18		/ /	/ /	
D-4	R&R barometric altimeter	NA01-75GA(X)-2-6	51R20		/ /	/ /	
D-5	R&R altimeter encoder	NA01-75GA(X)-2-8	51R2N		/ /	/ /	
D-6	R&R rate-of-climb indicator	NA01-75GA(X)-2-6	51R1A		/ /	/ /	
D-7	R&R airspeed indicator ADR supply	NA01-75GA(X)-2-6			/ /	/ /	
D-8	R&R true airspeed computer	NA01-75GA(X)-2-6	5673100		/ /	/ /	
D-9	R&R rosemont probe	NA01-75GA(X)-2-6	51C3100		/ /	/ /	

B.29 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the inertial navigation system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Inertial navigation system	NA01-75GA(X)-2-8		*	/ /	/ /	
B	Functional check						
B-1	Inertial navigation system	NA01-75GA(X)-2-8		*	/ /	*	/ /
C	Fault isolation						
C-1	Inertial navigation system	NA01-75GA(X)-2-8	73450	*	/ /	/ /	
D	Organizational maintenance						
D-1	R&R INU	NA01-75GA(X)-2-8	73451		/ /	/ /	
D-2	R&R CDU	NA01-75GA(X)-2-8	73453		/ /	/ /	
D-3	R&R MSU	NA01-75GA(X)-2-8	73454		/ /	/ /	
D-4	Perform Z slew alignment	NA01-75GA(X)-2-8	73450		/ /	/ /	

B.30 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the lighting system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Lighting system	NA01-75GA(X)-2-7			/ /	/ /	
B	Functional check						
B-1	Lighting system	NA01-75GA(X)-2-7		*	/ /	/ /	
C	Fault isolation						
C-1	Lighting system	NA01-75GA(X)-2-7	44000		/ /	/ /	
D	Organizational maintenance						
D-1	R&R landing light assembly	NA01-75GA(X)-2-7	44C80		/ /	/ /	
D-2	R&R strobe light assembly	NA01-75GA(X)-2-7	44C41		/ /	/ /	
D-3	R&R strobe power supply assembly	NA01-75GA(X)-2-7	44C43		/ /	/ /	
D-4	R&R interior lights	NA01-75GA(X)-2-7	44000		/ /	/ /	
D-5	R&R exterior lights	NA01-75GA(X)-2-7	44000		/ /	/ /	

B.31 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Ground Proximity Warning System (GPWS), using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Ground proximity warning system			*	/ /	/ /	
B	Functional check						
B-1	Ground proximity warning system			*	/ /	/ /	
C	Fault isolation						
C-1	Ground proximity warning system		563E0	*	/ /	/ /	

DA B.31 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R GPWS computer	563E100		/ /	/ /	/ /	
D-2	R&R GPWS interface	563E7		/ /	/ /	/ /	
D-3	R&R air data computer	563E600		/ /	/ /	/ /	

B.32 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the basic and miscellaneous aircraft instruments using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Pressure indicating systems	NA01-75GA(X)-2-6		*	/ /	/ /	
A-2	Flow indicating systems	NA01-75GA(X)-2-6		*	/ /	/ /	
A-3	Position indicating systems	NA01-75GA(X)-2-6		*	/ /	/ /	
A-4	Turbine inlet temperature indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
A-5	Temperature indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
A-6	Torque indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
A-7	Oil quantity indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
A-8	Ammeters & load meters systems	NA01-75GA(X)-2-7		/ /	/ /	/ /	
A-9	Lox quantity indicating system	NA01-75GA(X)-2-7		/ /	/ /	/ /	
A-10	Standby compass indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
A-11	G-meter indicating system	NA01-75GA(X)-2-6		/ /	/ /	/ /	
B	Functional check						
B-1	Pressure indicating systems	NA01-75GA(X)-2-6		*	/ /	/ /	
B-2	Flow indicating systems	NA01-75GA(X)-2-6		*	/ /	/ /	
B-3	Position indicating systems	NA01-75GA(X)-2-6		/ /	/ /	/ /	
B-4	Turbine inlet temperature indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
B-5	Temperature indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
B-6	Torque indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
B-7	Oil quantity indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
B-8	Ammeters & load meters systems	NA01-75GA(X)-2-6		*	/ /	/ /	
B-9	Lox quantity indicating system	NA01-75GA(X)-2-7		/ /	/ /	/ /	
B-10	Standby compass indicating system	NA01-75GA(X)-2-7		/ /	/ /	/ /	
B-11	G-meter indicating system	NA01-75GA(X)-2-6		/ /	/ /	/ /	
C	Theory of operation						
C-1	Pressure indicating systems	NA01-75GA(X)-2-6	51000	*	/ /	/ /	
C-2	Flow indicating systems	NA01-75GA(X)-2-6	51000	*	/ /	/ /	
C-3	Position indicating systems	NA01-75GA(X)-2-6	51000	/ /	/ /	/ /	
C-4	Turbine inlet temperature indicating system	NA01-75GA(X)-2-6	293AK200	*	/ /	/ /	
C-5	Temperature indicating system	NA01-75GA(X)-2-6	51000	*	/ /	/ /	
C-6	Torque indicating system	NA01-75GA(X)-2-6	293AK500	*	/ /	/ /	
C-7	Oil quantity indicating system	NA01-75GA(X)-2-6		*	/ /	/ /	
C-8	Ammeters and load meters systems	NA01-75GA(X)-2-7		*	/ /	/ /	
C-9	Lox quantity indicating system	NA01-75GA(X)-2-7	47X15	/ /	/ /	/ /	

DA B.32 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-10	Standby compass indicating system	NA01-75GA(X)-2-6	51X1V		/ /	/ /	
C-11	G-meter indicating system	NA01-75GA(X)-2-6	51R14		/ /	/ /	
D	Organizational maintenance						
D-1	R&R pressure indicators	NA01-75GA(X)-2-6	51000		/ /	/ /	
D-2	R&R flow indicators	NA01-75GA(X)-2-6	51000		/ /	/ /	
D-3	R&R position indicators	NA01-75GA(X)-2-6	51000		/ /	/ /	
D-4	R&R turbine inlet temperature indicator	NA01-75GA(X)-2-6	293AK200		/ /	/ /	
D-5	R&R temperature indicators	NA01-75GA(X)-2-6	51000		/ /	/ /	
D-6	R&R torque indicators	NA01-75GA(X)-2-6	293AK500		/ /	/ /	
D-7	R&R oil quantity indicators	NA01-75GA(X)-2-6			/ /	/ /	
D-8	R&R ammeters and load meters indicators	NA01-75GA(X)-2-7			/ /	/ /	
D-9	R&R lox quantity indicators	NA01-75GA(X)-2-7	47X15		/ /	/ /	
D-10	R&R standby compass	NA01-75GA(X)-2-6	51X1V		/ /	/ /	
D-11	R&R G-meter indicator	NA01-75GA(X)-2-6	51R14		/ /	/ /	

B.33 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the B&D 2504 true airspeed system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	True airspeed system	NA01-75GA(X)-2-8		*	/ /	/ /	
B	Functional check						
B-1	True airspeed system	NA01-75GA(X)-2-8			/ /	/ /	
C	Fault isolation						
C-1	True airspeed system	NA01-75GA(X)-2-8			/ /	/ /	
D	Organizational maintenance						
D-1	R&R true airspeed computer	NA01-75GA(X)-2-8	5673100		/ /	/ /	
D-2	R&R cockpit display	NA01-75GA(X)-2-8	5673200		/ /	/ /	
D-3	R&R transducer	NA01-75GA(X)-2-8	5673300		/ /	/ /	

B.34 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the anti-skid/wheel brake system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Anti-skid system	NA01-75GAA-2-7		*	/ /	/ /	
A-2	Wheel brake system	NA01-75GAA-2-3		*	/ /	/ /	
B	Functional check						
B-1	Anti-skid system	NA01-75GAA-2-7			/ /	/ /	
B-2	Wheel brake system	NA01-75GAA-2-3			/ /	/ /	
C	Fault isolation						
C-1	Anti-skid system	NA01-75GAA-2-7		*	/ /	/ /	
C-2	Wheel brake system	NA01-75GAA-2-3	42862		/ /	/ /	

DA B.34 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R anti-skid control box	NA01-75GAA-2-7	42BP121		/ /	/ /	
D-2	R&R wheel transducer/detector	NA01-75GAA-2-7	13C13		/ /	/ /	
D-3	R&R anti-skid test panel	NA01-75GAA-2-7			/ /	/ /	

B.35 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the bleed air system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Bleed air system (F&R to 160240)	NA01-75GA(X)-2-10			*	/ /	/ /
A-2	Bleed air system (R&T 160625+)	NA01-75GA(X)-2-10			*	/ /	/ /
B	Functional check						
B-1	Bleed air system (F&R to 160240)	NA01-75GA(X)-2-10			/ /	/ /	
B-2	Bleed air system (R&T 160625+)	NA01-75GA(X)-2-10			/ /	/ /	
C	Fault isolation						
C-1	Bleed air system (F&R to 160240)	NA01-75GA(X)-2-10			/ /	/ /	
C-2	Bleed air system (R&T 160625+)	NA01-75GA(X)-2-10			/ /	/ /	
D	Organizational maintenance						
D-1	Bleed air system (F&R to 160240)				/ /	/ /	
D-1.1	R&R isolation valve	NA01-75GA(X)-2-10	41A1Q40		/ /	/ /	
D-1.2	R&R pressure gauge	NA01-75GA(X)-2-10	41C1B		/ /	/ /	
D-1.3	R&R bleed air ducting	NA01-75GA(X)-2-10	41B50		/ /	/ /	
D-1.4	R&R bleed air check valve	NA01-75GA(X)-2-10	41B10		/ /	/ /	
D-1.5	R&R duct compensator	NA01-75GA(X)-2-10			/ /	/ /	
D-2	Bleed air system (R&T to 160625+)				/ /	/ /	
D-2.1	R&R divider valve	NA01-75GA(X)-2-10	41B1230		/ /	/ /	
D-2.2	R&R pressure gauge	NA01-75GA(X)-2-10	41C1B		/ /	/ /	
D-2.3	R&R bleed air ducting	NA01-75GA(X)-2-10	41B50		/ /	/ /	
D-2.4	R&R bleed air check valve	NA01-75GA(X)-2-10	41C10		/ /	/ /	

B.36 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Flight Station Air Conditioning System (FSACS) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Flight station air conditioning system (F&R to 160240) (Basic)	NA01-75GA(X)-2-10			*	/ /	/ /
A-2	Flight station air conditioning system (R&T to 160625) (Basic)	NA01-75GA(X)-2-10			*	/ /	/ /
A-3	Flight station air conditioning system (F&R to 160240) (Advanced)	NA01-75GA(X)-2-10			*	/ /	/ /

DA B.36 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-4	Flight station air conditioning system (R&T to 160625) (Advanced)	NA01-75GA(X)-2-10		*	/ /	/ /	
B	Functional check						
B-1	FSACS (F&R to 160240)	NA01-75GA(X)-2-10			/ /	/ /	
B-2	FSACS (R&T to 160625)	NA01-75GA(X)-2-10			/ /	/ /	
C	Fault isolation						
C-1	FSACS (F&R to 160240)	NA01-75GA(X)-2-10			/ /	/ /	
C-2	FSACS (R&T to 160625)	NA01-75GA(X)-2-10			/ /	/ /	
D	Organizational maintenance						
D-1	FSACS (F&R to 160240)				/ /	/ /	
D-1.1	R&R flight station flow control & shut-off valve	NA01-75GA(X)-2-10	41B45		/ /	/ /	
D-1.1A	Rig and adjust flight station flow control & shut-off valve	NA01-75GA(X)-2-10	41B45		/ /	/ /	
D-1.2	R&R heat exchanger	NA01-75GA(X)-2-10	41B4814		/ /	/ /	
D-1.3	R&R turbine	NA01-75GA(X)-2-10	41B4813		/ /	/ /	
D-1.4	R&R temperature control valve	NA01-75GA(X)-2-10	41B4G		/ /	/ /	
D-1.5	R&R temperature control box	NA01-75GA(X)-2-10	41B1C00		/ /	/ /	
D-1.6	R&R cabin thermostat	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-1.7	R&R blower motor	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-1.8	R&R duct anticipator	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-1.9	R&R high limit thermostat	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-1.10	R&R auxiliary vent valve	NA01-75GA(X)-2-10	41B41		/ /	/ /	
D-1.11	R&R water separator	NA01-75GA(X)-2-10	41B4D10		/ /	/ /	
D-1.12	R&R manual override cable	NA01-75GA(X)-2-10	41B45		/ /	/ /	
D-1.13	R&R window defog selector (Y-duct)	NA01-75GA(X)-2-10	41A2B10		/ /	/ /	
D-1.14	R&R differential pressure switch	NA01-75GA(X)-2-10	41C1P		/ /	/ /	
D-1.15	R&R high pressure ducts	NA01-75GA(X)-2-10	41B42		/ /	/ /	
D-1.16	R&R low pressure ducts	NA01-75GA(X)-2-10	41BA300		/ /	/ /	
D-2	FSACS (R&T to 160625+)				/ /	/ /	
D-2.1	R&R flight station flow control & shut-off valve	NA01-75GA(X)-2-10	41B45		/ /	/ /	
D-2.2	R&R heat exchanger	NA01-75GA(X)-2-10	41B4814		/ /	/ /	
D-2.3	R&R turbine	NA01-75GA(X)-2-10	41B4813		/ /	/ /	
D-2.4	R&R temperature control valve	NA01-75GA(X)-2-10	41B4811		/ /	/ /	
D-2.5	R&R temperature control box	NA01-75GA(X)-2-10	41B1C00		/ /	/ /	
D-2.6	R&R cabin thermostat	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-2.7	R&R blower motor	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-2.8	R&R duct anticipator	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-2.9	R&R high limit thermostat	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-2.10	R&R low limit thermostat	NA01-75GA(X)-2-10	41A2A10		/ /	/ /	
D-2.11	R&R low limit control valve	NA01-75GA(X)-2-10	41B4811		/ /	/ /	
D-2.12	R&R low limit control box	NA01-75GA(X)-2-10	41B1C00		/ /	/ /	
D-2.13	R&R water separator pressure switch	NA01-75GA(X)-2-10	41B47		/ /	/ /	

IQR, MOS 6232/6242, NAME: \_\_\_\_\_

DATE: April 2002

DA B.36 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2.14	R&R water separator	NA01-75GA(X)-2-10	41B4D10		/ /	/ /	
D-2.15	R&R auxiliary vent valve	NA01-75GA(X)-2-10	41B41		/ /	/ /	
D-2.16	R&R AUX vent check valve	NA01-75GA(X)-2-10	41B41		/ /	/ /	
D-2.17	R&R alternate air valve	NA01-75GA(X)-2-10			/ /	/ /	
D-2.18	R&R high pressure ducting	NA01-75GA(X)-2-10	41B42		/ /	/ /	
D-2.19	R&R low pressure ducting	NA01-75GA(X)-2-10	41BA300		/ /	/ /	
D-2.20	R&R window defog selector (Y-duct)	NA01-75GA(X)-2-10	41A2B10		/ /	/ /	

B.37 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Cargo Compartment Air Conditioning System (C/CACS) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Cargo compartment air conditioning system, (F&R to 160240) (Basic)	NA01-75GA(X)-2-10		*	/ /	/ /	
A-2	Cargo compartment air conditioning system, (R&T 160625+) (Basic)	NA01-75GA(X)-2-10		*	/ /	/ /	
A-3	Cargo compartment air conditioning system, (F&R to 160240) (Advanced)	NA01-75GA(X)-2-10		*	/ /	/ /	
A-4	Cargo compartment air conditioning system, (R&T 160625+) (Advanced)	NA01-75GA(X)-2-10		*	/ /	/ /	
B	Functional check						
B-1	C/CACS, (F&R to 160240)	NA01-75GA(X)-2-10			/ /	/ /	
B-2	C/CACS, (R&T 160625+)	NA01-75GA(X)-2-10			/ /	/ /	
C	Fault isolation						
C-1	C/CACS, (F&R to 160240)	NA01-75GA(X)-2-10			/ /	/ /	
C-2	C/CACS, (R&T 160625+)	NA01-75GA(X)-2-10			/ /	/ /	
D	Organizational maintenance						
D-1	C/CACS, (F&R to 160240)				/ /	/ /	
D-1.1	R&R flow control shut-off valve	NA01-75GA(X)-2-10	41B1210		/ /	/ /	
D-1.2	R&R heat exchanger	NA01-75GA(X)-2-10	41B1714		/ /	/ /	
D-1.3	R&R turbine	NA01-75GA(X)-2-10	41B1713		/ /	/ /	
D-1.4	R&R water separator	NA01-75GA(X)-2-10	41B1410		/ /	/ /	
D-1.5	R&R temperature control valve	NA01-75GA(X)-2-10	41B1240		/ /	/ /	
D-1.6	R&R high pressure ducts	NA01-75GA(X)-2-10	41B11		/ /	/ /	
D-1.7	R&R low pressure ducts	NA01-75GA(X)-2-10	41B11		/ /	/ /	
D-1.8	R&R auxiliary vent valve	NA01-75GA(X)-2-10	41B1D510		/ /	/ /	
D-1.9	R&R temperature control box	NA01-75GA(X)-2-10	41B1C10		/ /	/ /	
D-1.10	R&R cabin temperature control thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-1.11	R&R duct anticipator thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-1.12	R&R high limit thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-1.13	R&R ram air intake duct	NA01-75GA(X)-2-10	41B1D00		/ /	/ /	

DA B.37 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.14	R&R cargo compartment overheat warning thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-1.15	R&R blower motor	NA01-75GA(X)-2-10	41BA3J0		/ /	/ /	
D-1.16	Service turbine	NA01-75GA(X)-2-10	41B1713		/ /	/ /	
D-1.17	R&R cargo compartment recirculation fan	NA01-75GA(X)-2-10	41BB2		/ /	/ /	
D-2	C/CACS (R&T 160625+)				/ /	/ /	
D-2.1	R&R flow control shut-off valve	NA01-75GA(X)-2-10	41B1210		/ /	/ /	
D-2.2	R&R heat exchanger	NA01-75GA(X)-2-10	41B1714		/ /	/ /	
D-2.3	R&R turbine	NA01-75GA(X)-2-10	41B1713		/ /	/ /	
D-2.4	R&R water separator	NA01-75GA(X)-2-10	41B1410		/ /	/ /	
D-2.5	R&R temperature control valve	NA01-75GA(X)-2-10	41B1240		/ /	/ /	
D-2.6	R&R auxiliary vent valve	NA01-75GA(X)-2-10	41B1510		/ /	/ /	
D-2.7	R&R ram air intake duct	NA01-75GA(X)-2-10	41B1D00		/ /	/ /	
D-2.8	R&R low limit box	NA01-75GA(X)-2-10	41B1C10		/ /	/ /	
D-2.9	R&R low limit valve	NA01-75GA(X)-2-10	41B1240		/ /	/ /	
D-2.10	R&R low limit sensor	NA01-75GA(X)-2-10	41B190		/ /	/ /	
D-2.11	R&R temperature control box	NA01-75GA(X)-2-10	41B1C00		/ /	/ /	
D-2.12	R&R cabin temperature control thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-2.13	R&R duct anticipator thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-2.14	R&R high limit thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-2.15	R&R cargo compartment overheat warning thermostat	NA01-75GA(X)-2-10	41B490		/ /	/ /	
D-2.16	R&R blower motor	NA01-75GA(X)-2-10	41BA3J0		/ /	/ /	
D-2.17	R&R turbine	NA01-75GA(X)-2-10	41B1713		/ /	/ /	
D-2.18	R&R cargo compartment recycle fan	NA01-75GA(X)-2-10	41BB2		/ /	/ /	
D-2.19	R&R water separator pressure switch	NA01-75GA(X)-2-10	41B1410		/ /	/ /	

B.38 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the underfloor heat system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Underfloor heat system	NA01-75GA(X)-2-10		*	/ /	/ /	
B	Functional check						
B-1	Underfloor heat system	NA01-75GA(X)-2-10			/ /	/ /	
C	Fault isolation						
C-1	Underfloor heat system	NA01-75GA(X)-2-10			/ /	/ /	
D	Organizational maintenance						
D-1	Underfloor heat system (F)				/ /	/ /	
D-1.1	R&R shutoff valve	NA01-75GAA-2-10	41B1220		/ /	/ /	
D-1.2	R&R control thermostat	NA01-75GAA-2-10	41B8510		/ /	/ /	
D-1.3	R&R high limit thermostat	NA01-75GAA-2-10	41B86		/ /	/ /	
D-1.4	R&R diverter valve	NA01-75GAA-2-10	41B1220		/ /	/ /	

DA B.38 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2	Underfloor heat system (R/T)			/ /	/ /	/ /	
D-2.1	R&R shutoff valve	NA01-75GA(X)-2-10	41B1230		/ /	/ /	
D-2.2	R&R control thermostat	NA01-75GA(X)-2-10	41B8510		/ /	/ /	
D-2.3	R&R high limit thermostat	NA01-75GA(X)-2-10	41B86		/ /	/ /	
D-2.4	R&R temperature control valve	NA01-75GA(X)-2-10	41B1230		/ /	/ /	
D-2.5	R&R ducting	NA01-75GA(X)-2-10	41B84		/ /	/ /	

B.39 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the pressurization system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Pressurization system (Basic)	NA01-75GA(X)-2-10		*	/ /	/ /	
A-2	Pressurization system (Advanced)	NA01-75GA(X)-2-10		*	/ /	/ /	
B	Functional check						
B-1	Pressurization system	NA01-75GA(X)-2-10		*	/ /	/ /	
B-2	Emergency depressurization centered escape hatch	NA01-75GA(X)-2-10	11DT1		/ /	/ /	
C	Fault isolation						
C-1	Pressurization system	NA01-75GA(X)-2-10	41C10	*	/ /	/ /	
D	Organizational maintenance						
D-1	R&R pressure controller	NA01-75GA(X)-2-10	41C10		/ /	/ /	
D-2	R&R cabin rate-of-climb indicator	NA01-75GA(X)-2-10	51RIA		/ /	/ /	
D-3	R&R outflow valve	NA01-75GA(X)-2-10	41C1C10		/ /	/ /	
D-4	R&R safety valve	NA01-75GA(X)-2-10	41C1411		/ /	/ /	
D-5	R&R cabin filter/outflow/pressure controller	NA01-75GA(X)-2-10	41C1F		/ /	/ /	
D-6	R&R differential pressure gauge	NA01-75GA(X)-2-10	51X2U		/ /	/ /	
D-7	Clean and inspect pneumatic relay	NA01-75GA(X)-2-10	41C1C10		/ /	/ /	

B.40 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the anti-icing/de-icing system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Anti-icing/de-icing system (Basic)	NA01-75GA(X)-2-10		*	/ /	/ /	
A-2	Anti-icing/de-icing system (Advanced)	NA01-75GA(X)-2-10		*	/ /	/ /	
B	Functional check						
B-1	Anti-icing/de-icing system	NA01-75GA(X)-2-10		*	/ /	/ /	
C	Fault isolation						
C-1	Anti-icing/de-icing system	NA01-75GA(X)-2-10	41A10		/ /	/ /	

DA B.40 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R wing/empennage anti-icing valves	NA01-75GA(X)-2-10	41A1120		/ /	/ /	
D-2	R&R wing/empennage temperature indicator gauge	NA01-75GA(X)-2-10	51000		/ /	/ /	
D-3	R&R overheat warning thermostats	NA01-75GA(X)-2-10	41A20		/ /	/ /	
D-4	R&R temperature bulb thermostats	NA01-75GA(X)-2-10	41A20		/ /	/ /	
D-5	R&R control thermostats	NA01-75GA(X)-2-10	41A20		/ /	/ /	
D-6	R&R duct	NA01-75GA(X)-2-10	41A1100		/ /	/ /	

B.41 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the oxygen system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Gaseous oxygen system (F/R)	NA01-75GA(X)-2-10		*	/ /	/ /	
A-2	Liquid oxygen system (T)	NA01-75GA(X)-2-10		*	/ /	/ /	
B	Functional check						
B-1	Gaseous oxygen system (F/R)	NA01-75GA(X)-2-10		*	/ /	/ /	
B-2	Liquid oxygen system (T)	NA01-75GA(X)-2-10		/	/	*	/ /
C	Fault isolation						
C-1	Gaseous oxygen system (F/R)	NA01-75GA(X)-2-10		/	/	*	/ /
C-2	Liquid oxygen system (T)	NA01-75GA(X)-2-10		/	/	*	/ /
D	Organizational maintenance						
D-1	Gaseous oxygen system (F/R)				/ /	/ /	
D-1.1	R&R oxygen cylinders	NA01-75GA(X)-2-10	47B16		/ /	/ /	
D-1.2	R&R oxygen check valves	NA01-75GA(X)-2-10	47D2C		/ /	/ /	
D-1.3	R&R pressure reducers	NA01-75GA(X)-2-10	47B17		/ /	/ /	
D-1.4	R&R pilot/crew oxygen shut-off valves	NA01-75GA(X)-2-10	47D2C		/ /	/ /	
D-1.5	R&R blowout disks	NA01-75GA(X)-2-10	47D28		/ /	/ /	
D-1.6	R&R oxygen panel mount regulators	NA01-75GA(X)-2-10	47C10		/ /	/ /	
D-1.7	R&R oxygen pressure gauges	NA01-75GA(X)-2-10	47B10		/ /	/ /	
D-1.8	R&R servicing valve	NA01-75GA(X)-2-10	47D2C		/ /	/ /	
D-1.9	R&R oxygen walk around regulators	NA01-75GA(X)-2-10	47C1R		/ /	/ /	
D-1.10	R&R recharge hoses	NA01-75GA(X)-2-10	47B10		/ /	/ /	
D-1.11	R&R oxygen supply lines	NA01-75GA(X)-2-10	47B10		/ /	/ /	
D-1.12	Services oxygen system	NA01-75GA(X)-2-10	47A10		/ /	*	/ /
D-2	Liquid oxygen system (T)				/ /	/ /	
D-2.1	R&R LOX converter	NA01-75GA(X)-2-10	47A14		/ /	/ /	
D-2.2	R&R comb fill and build up valve	NA01-75GA(X)-2-10	47A10		/ /	/ /	
D-2.3	R&R system shutoff valve	NA01-75GA(X)-2-10	47A10		/ /	/ /	
D-2.4	R&R heat exchanger	NA01-75GA(X)-2-10	47A10		/ /	/ /	
D-2.5	R&R quantity gauge	NA01-75GA(X)-2-10	47R11		/ /	/ /	

DA B.41 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2.6	R&R supply lines	NA01-75GA(X)-2-10	47A10	/ /	/ /	/ /	
D-2.7	Drain and purge lox converter	NA01-75GA(X)-2-10	47A14	/ /	/ /	/ /	
D-2.8	Service oxygen system	NA01-75GA(X)-2-10	47A10	/ /	/ /	/ /	
D-2.9	Oxygen walk around regulators	NA01-75GA(X)-2-10	47C1R	/ /	/ /	/ /	

B.42 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the fire extinguishing system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Fire extinguisher system	NA01-75GA(X)-2-10		*	/ /	/ /	
B	Functional check						
B-1	Fire extinguisher system	NA01-75GA(X)-2-10		/ /		/ /	
C	Fault isolation						
C-1	Fire extinguisher system	NA01-75GA(X)-2-10	49130	/ /		/ /	
D	Organizational maintenance						
D-1	R&R fire bottles	NA01-75GA(X)-2-10	4913100	/ /		/ /	
D-2	R&R directional control valves	NA01-75GA(X)-2-10	49133	/ /		/ /	
D-3	R&R explosive squibbs, (M-178)	NA11-100-1.1	97K13	/ /		/ /	
D-4	R&R post firing treatment		49130	/ /		/ /	
D-5	R&R fire extinguisher tubing		49130	/ /		/ /	

B.43 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the utility hydraulic system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Utility and Booster hydraulic system (Basic)	NA01-75GA(X)-2-3		*	/ /	/ /	
A-2	Utility and Booster hydraulic system (Advanced)	NA01-75GA(X)-2-3		*	/ /	/ /	
B	Functional check						
B-1	Utility Booster hydraulic system	NA01-75GA(X)-2-3		*	/ /	/ /	
C	Fault isolation						
C-1	Suction boost pump	NA01-75GA(X)-2-3	451H3	*	/ /	/ /	
C-2	Low press warning switch	NA01-75GA(X)-2-3		*	/ /	/ /	
C-3	Priming check valve	NA01-75GA(X)-2-3		*	/ /	/ /	
C-4	Firewall shutoff valves	NA01-75GA(X)-2-3		*	/ /	/ /	
C-5	Engine pumps	NA01-75GA(X)-2-3	4511100	*	/ /	/ /	
C-6	Pressure switch	NA01-75GA(X)-2-3		*	/ /	/ /	
C-7	Isolation check valve	NA01-75GA(X)-2-3		*	/ /	/ /	
C-8	Pressure transmitter	NA01-75GA(X)-2-3		*	/ /	/ /	

DA B.43 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-9	Relief valve	NA01-75GA(X)-2-3			*	/ /	/ /
C-10	Vent filter	NA01-75GAA-2-3	451K9		/ /	/ /	
D	Organizational maintenance						
D-1	R&R reservoir	NA01-75GA(X)-2-3	451K1		/ /	/ /	
D-2	R&R vent filter	NA01-75GA(X)-2-3	451K0		/ /	/ /	
D-3	R&R suction boost pump	NA01-75GA(X)-2-3	451H3		/ /	/ /	
D-4	R&R low press warning switch	NA01-75GA(X)-2-3	451H100		/ /	/ /	
D-5	R&R hydraulic filters	NA01-75GA(X)-2-3	451H100		/ /	/ /	
D-6	R&R priming check valve	NA01-75GA(X)-2-3	451H9		/ /	/ /	
D-7	R&R shutoff valves	NA01-75GA(X)-2-3	45XXX		/ /	/ /	
D-8	R&R engine pumps	NA01-75GA(X)-2-3	4511100		/ /	/ /	
D-9	R&R in-line filter	NA01-75GA(X)-2-3	45XXX		/ /	/ /	
D-10	R&R pressure switch	NA01-75GA(X)-2-3	45XXX		/ /	/ /	
D-11	R&R isolation check valve	NA01-75GA(X)-2-3	45XXX		/ /	/ /	
D-12	R&R accumulator	NA01-75GA(X)-2-3	451H2		/ /	/ /	
D-13	R&R pressure transmitter	NA01-75GA(X)-2-3	451H2		/ /	/ /	

B.44 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the auxiliary hydraulic system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Auxiliary hydraulic system (Basic)	NA01-75GA(X)-2-3			*	/ /	/ /
A-2	Auxiliary hydraulic system (Advanced)	NA01-75GA(X)-2-3			*	/ /	/ /
B	Functional check						
B-1	Auxiliary hydraulic system	NA01-75GA(X)-2-3			*	/ /	/ /
C	Fault isolation						
C-1	Auxiliary hydraulic pump	NA01-75GA(X)-2-3	452A300		*	/ /	/ /
C-2	Hand pump	NA01-75GA(X)-2-3	45XXX		/ /	/ /	/ /
C-3	Ramp manifold control valve	NA01-75GA(X)-2-3	452A1		/ /	/ /	/ /
C-4	Ramp lock actuator	NA01-75GA(X)-2-3	452C1		/ /	/ /	/ /
C-5	Ramp actuator cylinders	NA01-75GA(X)-2-3	452E1		/ /	/ /	/ /
C-6	Aft cargo door actuator cylinder	NA01-75GA(X)-2-3	11E1410		/ /	/ /	/ /
C-7	Aft cargo door uplock cylinder	NA01-75GA(X)-2-3	452C1		/ /	/ /	/ /
C-8	Auxiliary interconnect valve, (KC-130F)	NA01-75GAA-2-3	45162		/ /	/ /	/ /
C-9	Aft cargo door snubber	NA01-75GA-2-3	11E11410		/ /	/ /	/ /
D	Organizational maintenance						
D-1	R&R reservoir	NA01-75GA(X)-2-3	452A4		/ /	/ /	
D-2	R&R auxiliary hydraulic pump	NA01-75GA(X)-2-3	452A300		/ /	/ /	
D-3	R&R auxiliary hydraulic hand pump	NA01-75GA(X)-2-3	45XXX		/ /	/ /	
D-4	R&R ramp manifold control valve	NA01-75GA(X)-2-3	452A1		/ /	/ /	
D-5	R&R ramp lock actuator	NA01-75GA(X)-2-3	452C1		/ /	/ /	
D-6	R&R ramp actuator cylinders	NA01-75GA(X)-2-3	452E1		/ /	/ /	

DA B.44 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-7	R&R aft cargo door actuator cylinder	NA01-75GA(X)-2-3	11E1410		/ /	/ /	
D-8	R&R aft cargo door uplock cylinder	NA01-75GA(X)-2-3	452C1		/ /	/ /	
D-9	R&R auxiliary accumulator (KC-130F)	NA01-75GAA-2-3	452A5		/ /	/ /	
D-10	R&R auxiliary interconnect valve, (KC-130F)	NA01-75GAA-2-3	45162		/ /	/ /	
D-11	R&R auxiliary interconnect valve, (KC-130R/T)	NA01-75GA(X)-2-3	45162		/ /	/ /	
D-12	R&R aft cargo door snubber	NA01-75GA-2-3	11E11410		/ /	/ /	

B.45 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the landing gear and related systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Main and nose landing gear systems (Basic)	NA01-75GA(X)-2-12		*	/ /	/ /	
A-2	Nose wheel steering system (Basic)	NA01-75GA(X)-2-12		*	/ /	/ /	
A-3	Brake system (Basic)	NA01-75GA(X)-2-12		*	/ /	/ /	
A-4	Main & nose landing gear systems (Advanced)	NA01-75GA(X)-2-12		*	/ /	/ /	
A-5	Nose wheel steering system (Advanced)	NA01-75GA(X)-2-12		*	/ /	/ /	
A-6	Brake system (Advanced)	NA01-75GA(X)-2-12		*	/ /	/ /	
B	Functional check						
B-1	Main and nose landing gear systems	NA01-75GA(X)-2-12			/ /	/ /	
B-2	Nose wheel steering system	NA01-75GA(X)-2-12			/ /	/ /	
B-3	Brake system	NA01-75GA(X)-2-12			/ /	/ /	
C	Fault isolation						
C-1	Main and nose landing gear systems				/ /	/ /	
C-1.1	Landing gear control valve	NA01-75GA(X)-2-12		*	/ /	/ /	
C-1.2	MLG hydraulic motor	NA01-75GA(X)-2-12		*	/ /	/ /	
C-1.3	MLG retract brake	NA01-75GA(X)-2-12			/ /	/ /	
C-1.4	MLG controllable check valve	NA01-75GA(X)-2-12			/ /	/ /	
C-1.5	MLG flow regulators	NA01-75GA(X)-2-12			/ /	/ /	
C-1.6	MLG mechanical components	NA01-75GA(X)-2-12		*	/ /	/ /	
C-1.7	MLG gearbox (KC-130F)	NA01-75GA-2-12			/ /	/ /	
C-1.8	MLG gearbox (KC-130R/T)	NA01-75GA(X)-2-12			/ /	/ /	
C-1.9	NLG actuator	NA01-75GA(X)-2-12		*	/ /	/ /	
C-1.10	NLG uplock	NA01-75GA(X)-2-12		*	/ /	/ /	
C-2	Nose wheel steering system				/ /	/ /	
C-2.1	NWS control valve	NA01-75GA(X)-2-12		*	/ /	/ /	
C-2.2	NWS actuator	NA01-75GA(X)-2-12		*	/ /	/ /	
C-3	Brake system				/ /	/ /	
C-3.1	Brake control valve	NA01-75GA(X)-2-12		*	/ /	/ /	
C-3.2	Brake selector valves	NA01-75GA(X)-2-12		*	/ /	/ /	
C-3.3	Anti-skid valves	NA01-75GA(X)-2-12		*	/ /	/ /	

DA B.45 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	Main and nose landing gear systems			/ /	/ /	/ /	
D-1.1	R&R MLG tires	NA01-75GA(X)-2-12	13C1400	/ /	/ /	/ /	
D-1.2	R&R MLG control valve	NA01-75GA(X)-2-12	451H130	/ /	/ /	/ /	
D-1.3	R&R MLG jackscrews	NA01-75GA(X)-2-12	13C1B10	/ /	/ /	/ /	
D-1.4	R&R MLG motor	NA01-75GA(X)-2-12	13C1B60	/ /	/ /	/ /	
D-1.5	R&R MLG retract brake	NA01-75GA(X)-2-12	13C00	/ /	/ /	/ /	
D-1.6	R&R MLG controllable check valve	NA01-75GA(X)-2-12	451U0	/ /	/ /	/ /	
D-1.7	R&R MLG flow regulators	NA01-75GA(X)-2-12	451U1	/ /	/ /	/ /	
D-1.8	R&R MLG mechanical components	NA01-75GA(X)-2-12	13C00	/ /	/ /	/ /	
D-1.9	R&R MLG gearbox (KC-130F)	NA01-75GA(X)-2-12	13C1B30	/ /	/ /	/ /	
D-1.10	R&R MLG gearbox (KC-130R/T)	NA01-75GA(X)-2-12	13C1B30	/ /	/ /	/ /	
D-1.11	R&R NLG tires	NA01-75GA(X)-2-12	13D1110	/ /	/ /	/ /	
D-1.12	R&R NLG actuators	NA01-75GA(X)-2-12	13D1110	/ /	/ /	/ /	
D-1.13	R&R NLG shock strut	NA01-75GA(X)-2-12	13D1170	/ /	/ /	/ /	
D-1.14	R&R NLG uplock	NA01-75GA(X)-2-12	13D1210	/ /	/ /	/ /	
D-2	Nose wheel steering system			/ /	/ /	/ /	
D-2.1	R&R NWS steering manifold	NA01-75GA(X)-2-12	13E20	/ /	/ /	/ /	
D-2.2	R&R NWS control valve	NA01-75GA(X)-2-12	13D1140	/ /	/ /	/ /	
D-2.3	R&R NWS actuator	NA01-75GA(X)-2-12	13D1150	/ /	/ /	/ /	
D-2.4	R&R MLG brakes	NA01-75GA(X)-2-12	13C1500	/ /	/ /	/ /	
D-3	Brake system			/ /	/ /	/ /	
D-3.1	R&R power brake control valve	NA01-75GA(X)-2-12	451T1	/ /	/ /	/ /	
D-3.2	R&R brake selector valves	NA01-75GA(X)-2-12	451N1	/ /	/ /	/ /	
D-3.3	R&R brake accumulators	NA01-75GA(X)-2-12	451N2	/ /	/ /	/ /	
D-3.4	R&R brake pressure transmitters	NA01-75GA(X)-2-12	45162		/ /	/ /	
D-3.5	R&R brake shuttle valves	NA01-75GA(X)-2-12	451T1		/ /	/ /	
D-3.6	R&R anti-skid valves	NA01-75GA(X)-2-12	451H110		/ /	/ /	

B.46 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the wing flaps system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Wing flaps system (Basic)	NA01-75GA(X)-2-9		*	/ /	/ /	
A-2	Wing flaps system (Advanced)	NA01-75GA(X)-2-9		*	/ /	/ /	
B	Functional check						
B-1	Wing flaps system	NA01-75GA(X)-2-9			/ /	/ /	
C	Fault isolation						
C-1	Wing flap selector valve	NA01-75GA(X)-2-9		*	/ /	/ /	
C-2	Wing flap emergency selector valve	NA01-75GA(X)-2-9		*	/ /	/ /	
C-3	Wing flap motor	NA01-75GA(X)-2-9		*	/ /	/ /	
C-4	Wing flap gearbox	NA01-75GA(X)-2-9		*	/ /	/ /	

DA B.46 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-5	Wing flap brake	NA01-75GA(X)-2-9		*	/ /	/ /	
C-6	Flow regulators	NA01-75GA(X)-2-9			/ /	/ /	
C-7	Restrictors	NA01-75GA(X)-2-9			/ /	/ /	
D	Organizational maintenance						
D-1	R&R wing flap selector valve	NA01-75GA(X)-2-9	451H140		/ /	/ /	
D-2	R&R wing flap emergency selector valve	NA01-75GA(X)-2-9	451H120		/ /	/ /	
D-3	R&R asymmetry brake	NA01-75GA(X)-2-9	14F5120		/ /	/ /	
D-4	R&R wing flap motor	NA01-75GA(X)-2-9	14F5120		/ /	/ /	
D-5	R&R wing flap gearbox	NA01-75GA(X)-2-9	14F5120		/ /	/ /	
D-6	R&R wing flap brake	NA01-75GA(X)-2-9	14F5110		/ /	/ /	
D-7	R&R flow regulators	NA01-75GA(X)-2-9	14F5120		/ /	/ /	
D-8	R&R restrictors	NA01-75GA(X)-2-9	14F5120		/ /	/ /	

B.47 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the in-flight refueling system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	In-flight refueling system (Basic)	NA01-75GA(X)-2-5		*	/ /	/ /	
A-2	In-flight refueling system (Advanced)	NA01-75GA(X)-2-5		*	/ /	/ /	
B	Functional check						
B-1	In-flight refueling system	NA01-75GA(X)-2-5			/ /	/ /	
C	Fault isolation						
C-1	Priority valve	NA01-75GA(X)-2-5			/ /	/ /	
C-2	Reel hydraulic control valve, #14	NA01-75GA(X)-2-5			/ /	/ /	
C-3	Reel hydraulic shut-off valve	NA01-75GA(X)-2-5			/ /	/ /	
C-4	Response valve, #6	NA01-75GA(X)-2-5			/ /	/ /	
C-5	Rewind valve, #7	NA01-75GA(X)-2-5			/ /	/ /	
C-6	Response test valve, #194	NA01-75GA(X)-2-5			/ /	/ /	
C-7	Boost cylinder	NA01-75GA(X)-2-5			/ /	/ /	
C-8	Servo assembly	NA01-75GA(X)-2-5			/ /	/ /	
C-9	Latch release assembly	NA01-75GA(X)-2-5			/ /	/ /	
C-10	IFR interconnect valve, (KC-130R/T)	NA01-75GA(X)-2-5			/ /	/ /	
D	Organizational maintenance						
D-1	R&R priority valve	NA01-75GA(X)-2-5	45271		/ /	/ /	
D-2	R&R reel hydraulic control valve, #14	NA01-75GA(X)-2-5	46627		/ /	/ /	
D-3	R&R reel hydraulic shut-off valve	NA01-75GA(X)-2-5	46622		/ /	/ /	
D-4	R&R response valve, #6	NA01-75GA(X)-2-5	46627		/ /	/ /	
D-5	R&R rewind valve, #7	NA01-75GA(X)-2-5	46627		/ /	/ /	
D-6	R&R response test valve, #194	NA01-75GA(X)-2-5	46627		/ /	/ /	
D-7	R&R boost cylinder	NA01-75GA(X)-2-5	46628		/ /	/ /	
D-8	R&R latch release assembly	NA01-75GA(X)-2-5	46620		/ /	/ /	
D-9	R&R accumulators	NA01-75GA(X)-2-5	46623		/ /	/ /	

DA B.47 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-10	R&R pressure switch	NA01-75GA(X)-2-5	4662A		/ /	/ /	
D-11	R&R fuel surge suppressor	NA01-75GA(X)-2-5	46C1133		/ /	/ /	
D-12	R&R IFR hose	NA01-75GA(X)-2-5	4661120		/ /	/ /	
D-13	R&R reception coupling	NA01-75GA(X)-2-5	4661112		/ /	/ /	
D-14	R&R Paratrogue assembly	NA01-75GA(X)-2-5	4661111		/ /	/ /	
D-15	R&R IFR reel mechanical components	NA01-75GA(X)-2-5	46510		/ /	/ /	
D-16	R&R IFR reel	NA01-75GA(X)-2-5	4661100		/ /	/ /	
D-17	R&R IFR interconnect valve, (KC-130R/T)	NA01-75GA(X)-2-5	451A3		/ /	/ /	

B.48 Performs hydraulic fluid sampling.

A	Performs hydraulic fluid sampling	NA01-1A-17			/ /	/ /	
B	Performs HSU & support fluid samples	NA01-1A-17			/ /	/ /	

B.49 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/AIC-14, 18 Intercommunications Systems (ICS) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Intercommunication system	NA01-75GAA-2-8			*	/ /	/ /
B	Functional check						
B-1	Intercommunication system	NA01-75GAA-2-8	64180		*	/ /	/ /
C	Fault isolation						
C-1	Intercommunication system	NA01-75GAA-2-8	64180		/ /	/ /	
D	Organizational maintenance						
D-1	R&R ICS select control panel	NA01-75GAA-2-8	64183		/ /	/ /	
D-2	Adjusts intercom box, J1013/AIC	NA01-75GAA-2-8	6418F		/ /	/ /	
D-3	Repairs ICS cordage	NA01-75GA(X)-2-13	428RL		/ /	/ /	

B.50 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/AIC-13, public address set using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Public address set	NA01-75GA(X)-2-8			*	/ /	/ /
B	Functional check						
B-1	Public address set	NA01-75GA(X)-2-8			/ /	/ /	
C	Fault isolation						
C-1	Public address set	NA01-75GA(X)-2-8	64170		/ /	/ /	

DA B.50 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R control unit	NA01-75GA(X)-2-8	64173		/ /	/ /	
D-2	R&R amplifiers	NA01-75GA(X)-2-8	64172		/ /	/ /	
D-3	R&R loud speaker	NA01-75GA(X)-2-8	64171		/ /	/ /	

B.51 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARC-159, UHF system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	UHF system	NA01-75GA(X)-2-8			*	/ /	
B	Functional check						
B-1	UHF system	NA01-75GA(X)-2-8			*	/ /	
C	Fault isolation						
C-1	UHF system	NA01-75GA(X)-2-8	632Z0		*	/ /	
D	Organizational maintenance						
D-1	R&R UHF receiver/transmitter unit	NA01-75GA(X)-2-8	632Z100		/ /	/ /	
D-2	R&R UHF antenna	NA01-75GA(X)-2-8	63Y1E		/ /	/ /	
D-3	R&R UHF antenna control unit	NA01-75GA(X)-2-8	63Y1A		/ /	/ /	
D-4	R&R UHF antenna switching unit	NA01-75GA(X)-2-8	63Y1B		/ /	/ /	
D-5	R&R low by-pass filter	NA01-75GA(X)-2-8			/ /	/ /	

B.52 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARA-25, 50 UHF Directional Finder (DF) systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Directional finder system	NA01-75GAA-2-8			*	/ /	
B	Functional check						
B-1	Directional finder system	NA01-75GAA-2-8			/ /	/ /	
C	Fault isolation						
C-1	Directional finder system	NA01-75GAA-2-8	71130		/ /	/ /	
D	Organizational maintenance						
D-1	R&R amplifier	NA01-75GAA-2-8	71132		/ /	*	/ /
D-2	R&R antenna	NA01-75GAA-2-8	71134		/ /	/ /	
D-3	R&R switching relay	NA01-75GAA-2-8	71133		/ /	/ /	
D-4	R&R power converter	NA01-75GAA-2-8			/ /	/ /	

B.53 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **AN/ARC-186, VHF radio systems** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	VHF system	NA01-75GA(X)-2-8			*	/	/
B	Functional check						
B-1	VHF system	NA01-75GA(X)-2-8			*	/	/
C	Fault isolation						
C-1	VHF system	NA01-75GA(X)-2-8	621R0		*	/	/
D	Organizational maintenance						
D-1	R&R control panel	NA01-75GA(X)-2-8	621R600		/	/	/
D-2	R&R receiver/transmitter unit	NA01-75GA(X)-2-8	621RD00		/	/	/
D-3	R&R antenna	NA01-75GA(X)-2-8	62R18		/	/	/

B.54 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **AN/ARC-102, 190 High Frequency (HF) systems** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	HF system	NA01-75GAA-2-8			*	/	/
B	Functional check						
B-1	HF system	NA01-75GAA-2-8			*	/	/
C	Fault isolation						
C-1	HF system	NA01-75GAA-2-8	61180		*	/	/
D	Organizational maintenance						
D-1	R&R receiver/transmitter unit	NA01-75GAA-2-8	6118E00		/	/	/
D-2	R&R antenna tuner	NA01-75GAA-2-8	61X1200		/	/	/
D-3	R&R antenna	NA01-75GAA-2-8	61R6100		/	/	/
D-4	R&R adapter rack	NA01-75GAA-2-8	61X1S		/	/	/
D-5	R&R inter-locking relay	NA01-75GAA-2-8	6113N		/	/	/

B.55 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **AN/APX-72, 100 IFF systems** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	IFF system	NA01-75GA(X)-2-8			*	/	/
B	Functional check						
B-1	IFF system	NA01-75GA(X)-2-8			*	/	/
C	Fault isolation						
C-1	IFF system	NA01-75GA(X)-2-8	65340		*	/	/
D	Organizational maintenance						
D-1	R&R transponder	NA01-75GA(X)-2-8	6534100		/	/	/
D-2	R&R self test unit	NA01-75GA(X)-2-8	65Y1Q00		/	/	/

DA B.55 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-3	R&R antenna switching unit	NA01-75GA(X)-2-8	65Y1B	/ / / / / / / /	/ /	/ /	
D-4	R&R altimeter encoder	NA01-75GA(X)-2-8	51X12		/ /	/ /	
D-5	R&R antenna	NA01-75GA(X)-2-8	65Y18		/ /	/ /	
D-6	R&R MODE 4 computer	NA01-75GA(X)-2-8	65Y1W		/ /	/ /	

B.56 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/APX-76, IFF interrogator system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	IFF interrogator system	NA01-75GA(X)-2-8			*	/ /	/ /
B	Functional check						
B-1	IFF interrogator system	NA01-75GA(X)-2-8			*	/ /	/ /
C	Fault isolation						
C-1	IFF interrogator system	NA01-75GA(X)-2-8	65320		*	/ /	/ /
D	Organizational maintenance						
D-1	R&R receiver/transmitter unit	NA01-75GA(X)-2-8	6532100		/ /	/ /	
D-2	R&R synchronizer	NA01-75GA(X)-2-8	6532200		/ /	/ /	
D-3	R&R switch amplifier	NA01-75GA(X)-2-8	6532300		/ /	/ /	
D-4	R&R MODE 4 computer	NA01-75GA(X)-2-8	65Y1Z		/ /	/ /	
D-5	R&R converter synchronizer	NA01-75GA(X)-2-8	65Y2C		/ /	/ /	
D-6	R&R control box	NA01-75GA(X)-2-8	6532G		/ /	/ /	
D-7	R&R antenna drive unit	NA01-75GA(X)-2-8	65R7220		/ /	/ /	

B.57 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/APS-133, weather radar systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Weather radar system	NA01-75GA(X)-2-8			*	/ /	/ /
A-2	Radar interface group	NA01-75GA(X)-2-8			*	/ /	/ /
B	Functional check						
B-1	Weather radar system	NA01-75GA(X)-2-8			*	/ /	/ /
B-2	Pressurization system	NA01-75GA(X)-2-8			*	/ /	/ /
B-3	Radar interface group	NA01-75GA(X)-2-8			*	/ /	/ /
C	Fault isolation						
C-1	Weather radar system	NA01-75GA(X)-2-8	72660		*	/ /	/ /
D	Organizational maintenance						
D-1	R&R antenna	NA01-75GA(X)-2-8	7266300		/ /	/ /	
D-2	R&R indicator	NA01-75GA(X)-2-8	7266200		/ /	/ /	
D-3	R&R interface unit	NA01-75GA(X)-2-8	72Y2N		/ /	/ /	

DA B.57 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-4	R&R receiver/transmitter unit	NA01-75GA(X)-2-8	7266100	/ /	/ /	/ /	
D-5	Adjusts roll compensator	NA01-75GA(X)-2-8		/ /	/ /	/ /	
D-6	R&R desiccants	NA01-75GA(X)-2-8		/ /	/ /	/ /	

B.58 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the DF-206, Automatic Directional Finder (ADF) systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	ADF system	NA01-75GA(X)-2-8		*	/ /	/ /	
B	Functional check						
B-1	ADF system	NA01-75GA(X)-2-8		/ /	/ /		
C	Fault isolation						
C-1	ADF system	NA01-75GA(X)-2-8	717E0	/ /	/ /		
D	Organizational maintenance						
D-1	R&R receiver	NA01-75GA(X)-2-8	717E100	/ /	/ /		
D-2	R&R loop antenna	NA01-75GA(X)-2-8	717E6	/ /	/ /		
D-3	R&R sense antenna	NA01-75GA(X)-2-8	717E3	/ /	/ /		

B.59 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARN-126, Visual OMNI Range Receiver (VOR) systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	VOR system	NA01-75GA(X)-2-8		*	/ /	/ /	
B	Functional check						
B-1	VOR system	NA01-75GA(X)-2-8		/ /	/ /		
C	Fault isolation						
C-1	VOR system	NA01-75GA(X)-2-8	711A0	/ /	/ /		
D	Organizational maintenance						
D-1	R&R receiver	NA01-75GA(X)-2-8	711A100	/ /	/ /		
D-2	R&R antennas	NA01-75GA(X)-2-8	71RA7	/ /	/ /		

B.60 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARN-21, 84, 118, 139 TACAN systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	TACAN system	NA01-75GA(X)-2-8		*	/ /	/ /	
B	Functional check						
B-1	TACAN system	NA01-75GA(X)-2-8		*	/ /	/ /	

DA B.60 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	TACAN system	NA01-75GA(X)-2-8	71370	*	/ /	/ /	
D	Organizational maintenance						
D-1	R&R receiver/transmitter	NA01-75GA(X)-2-8	7131700		/ /	/ /	
D-2	R&R mount	NA01-75GA(X)-2-8	71376		/ /	/ /	
D-3	R&R antenna	NA01-75GA(X)-2-8	63Y1E		/ /	/ /	
D-4	R&R coupler	NA01-75GA(X)-2-8	7137A		/ /	/ /	
D-5	R&R antenna matching transformer	NA01-75GA(X)-2-8	71X71H		/ /	/ /	
D-6	R&R digital to analog converter	NA01-75GA(X)-2-8	71Y9300		/ /	/ /	

B.61 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/APN-232, high range altimeter systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	High range altimeter system	NA01-75GA(X)-2-8			/ /	/ /	
B	Functional check						
B-1	High range altimeter system	NA01-75GA(X)-2-8			/ /	/ /	
C	Fault isolation						
C-1	High range altimeter system, (AN/APN-232 combined altimeter)	NA01-75GA(X)-2-8			/ /	/ /	
D	Organizational maintenance						
D-1	R&R receiver/transmitter unit	NA01-75GA(X)-2-8	726W1		/ /	/ /	
D-2	R&R antenna	NA01-75GA(X)-2-8	726W3		/ /	/ /	
D-3	R&R indicator	NA01-75GA(X)-2-8	726W200		/ /	/ /	

B.62 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the AN/ARA-63, Microwave Landing System (MLS) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Microwave landing system	NA01-75GA(X)-2-8			/ /	/ /	
B	Functional check						
B-1	Microwave landing system	NA01-75GA(X)-2-8			/ /	/ /	
C	Fault isolation						
C-1	Microwave landing system	NA01-75GA(X)-2-8	71D10		/ /	/ /	
D	Organizational maintenance						
D-1	R&R receiver	NA01-75GA(X)-2-8	71D1100		/ /	/ /	
D-2	R&R pulse-decoder	NA01-75GA(X)-2-8	71D1200		/ /	/ /	
D-3	R&R antenna	NA01-75GA(X)-2-8	71D15		/ /	/ /	

B.63 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the Horizontal Situation Indicator (HSI)/flight director system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	HSI/flight director system	NA01-75GA(X)-2-8			*	/	/
B	Functional check						
B-1	HSI/flight director system	NA01-75GA(X)-2-8			*	/	/
C	Fault isolation						
C-1	HSI/flight director system	NA01-75GA(X)-2-8			*	/	/
D	Organizational maintenance						
D-1	R&R navigation instrument relay	NA01-75GA(X)-2-8	7135H		/	/	/
D-2	R&R ID-249	NA01-75GAA-2-8	71X1C		/	/	/
D-3	R&R HSI indicator	NA01-75GA(X)-2-8	71X12		/	/	/
D-4	R&R HSI amplifier	NA01-75GAA-2-8	71XY00		/	/	/
D-5	R&R BDHI	NA01-75GA(X)-2-8	71X1L		/	/	/
D-6	R&R RMI	NA01-75GA(X)-2-8	51R1W		/	/	/
D-7	R&R flight director computer	NA01-75GA(X)-2-8	71Y31		/	/	/
D-8	R&R altitude direction indicator	NA01-75GA(X)-2-8	51X23		/	/	/
D-9	R&R mode coupler	NA01-75GA(X)-2-8	563FM00		/	/	/
D-10	R&R mode selector	NA01-75GA(X)-2-8	563FT00		/	/	/
D-11	R&R HSI remote control	NA01-75GA(X)-2-8	563FS00		/	/	/
D-12	R&R Synchro amplifier	NA01-75GA(X)-2-8			/	/	/

B.64 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the flight control systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Aileron system					/	/
A-1.1	Ailerons	NA01-75GA(X)-2-9	14FA200		*	/	/
A-1.2	Aileron trim tabs	NA01-75GA(X)-2-9	14FA270		*	/	/
A-2	Elevator system					/	/
A-2.1	Elevator	NA01-75GA(X)-2-9	14FC0		*	/	/
A-2.2	Elevator trim tabs	NA01-75GA(X)-2-9	14FC4		*	/	/
A-3	Rudder system					/	/
A-3.1	Rudder	NA01-75GA(X)-2-9	14FD0		*	/	/
A-3.2	Rudder trim tabs	NA01-75GA(X)-2-9	14EE0		*	/	/
A-4	Wing flaps	NA01-75GA(X)-2-9	14FB0		*	/	/
A-5	Wing flaps emergency extension	NA01-75GA(X)-2-9	14FE0		*	/	/
B	Functional check						
B-1	Aileron system					/	/
B-1.1	Ailerons	NA01-75GA(X)-2-9	14FA200		*	/	/
B-1.2	Aileron trim tabs	NA01-75GA(X)-2-9	14FA270		*	/	/
B-2	Elevator system					/	/
B-2.1	Elevator	NA01-75GA(X)-2-9	14FC0		*	/	/
B-2.2	Elevator trim tabs	NA01-75GA(X)-2-9	14FD0		*	/	/

DA B.64 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-3	Rudder system			/ /	/ /	/ /	
B-3.1	Rudder	NA01-75GA(X)-2-9	14FD0	*	/ /	/ /	
B-3.2	Rudder trim tabs	NA01-75GA(X)-2-9	14EE0	*	/ /	/ /	
B-4	Wing flaps	NA01-75GA(X)-2-9	14FB0	*	/ /	/ /	
B-5	Wing flaps emergency extension	NA01-75GA(X)-2-9	14FE0	*	/ /	/ /	
C	Fault isolation						
C-1	Aileron system				/ /	/ /	
C-1.1	Ailerons	NA01-75GA(X)-2-9	14FA200		/ /	/ /	
C-1.2	Aileron trim tabs NA01-75GA(X)-2-9	NA01-75GA(X)-2-9	14FA210		/ /	/ /	
C-2	Elevator system				/ /	/ /	
C-2.1	Elevator	NA01-75GA(X)-2-9	14FC0		/ /	/ /	
C-2.2	Elevator trim tabs	NA01-75GA(X)-2-9	14FC5		/ /	/ /	
C-3	Rudder system				/ /	/ /	
C-3.1	Rudder	NA01-75GA(X)-2-9	14FD0		/ /	/ /	
C-3.2	Rudder trim tabs	NA01-75GA(X)-2-9	14EE0		/ /	/ /	
C-4	Wing flaps	NA01-75GA(X)-2-9	14FE0		/ /	/ /	
C-5	Wing flaps emergency extension	NA01-75GAA-2-16	762P300		/ /	/ /	
D	Organizational maintenance						
D-1	Aileron system				/ /	/ /	
D-1.1	R&R aileron	NA01-75GA(X)-2-9	14FA0		/ /	/ /	
D-1.2	R&R aileron boost package	NA01-75GA(X)-2-9	14FA0		/ /	/ /	
D-1.3	R&R aileron tension regulator	NA01-75GA(X)-2-9	14EM9		/ /	/ /	
D-1.4	R&R aileron hardware	NA01-75GA(X)-2-9	14FA241		/ /	/ /	
D-1.5	Rigs ailerons	NA01-75GA(X)-2-9	14FA0		/ /	/ /	
D-2	Aileron trim tabs				/ /	/ /	
D-2.1	R&R SOV	NA01-75GA(X)-2-9	14FA270		/ /	/ /	
D-2.2	R&R trim tabs, (moveable)	NA01-75GA(X)-2-9	14FA270		/ /	/ /	
D-2.3	R&R trim tabs, (fixed)	NA01-75GA(X)-2-9	14FA270		/ /	/ /	
D-2.4	R&R trim flex drive	NA01-75GA(X)-2-9	14FA210		/ /	/ /	
D-2.5	R&R trim actuator	NA01-75GA(X)-2-9	14FA1		/ /	/ /	
D-2.6	R&R trim tabs hardware	NA01-75GA(X)-2-9	14FA261		/ /	/ /	
D-2.7	Rigs trim tabs	NA01-75GA(X)-2-9	14FA270		/ /	/ /	
D-3	Elevator system				/ /	/ /	
D-3.1	R&R elevator	NA01-75GA(X)-2-9	14FC0		/ /	/ /	
D-3.2	R&R elevator tension regulator	NA01-75GA(X)-2-9	14EN9		/ /	/ /	
D-3.3	R&R elevator hardware	NA01-75GA(X)-2-9	14ER9		/ /	/ /	
D-3.4	Rigs elevators	NA01-75GA(X)-2-9	14FC0		/ /	/ /	
D-4	Elevator trim tabs				/ /	/ /	
D-4.1	R&R trim tabs	NA01-75GA(X)-2-9	14FC4		/ /	/ /	
D-4.2	R&R trim flex drive	NA01-75GA(X)-2-9	14EF1		/ /	/ /	
D-4.3	R&R trim actuator	NA01-75GA(X)-2-9	14EF0		/ /	/ /	
D-4.4	R&R trim tab hardware	NA01-75GA(X)-2-9	14ER9		/ /	/ /	
D-4.5	Rigs trim tabs	NA01-75GA(X)-2-9	14FC4		/ /	/ /	
D-5	Rudder system				/ /	/ /	

DA B.64 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-5.1	R&R rudder	NA01-75GA(X)-2-9	14FD0		/ /	/ /	
D-5.2	R&R rudder tension regulator	NA01-75GA(X)-2-9	14ED9		/ /	/ /	
D-5.3	R&R rudder hardware	NA01-75GA(X)-2-9	14ED9		/ /	/ /	
D-5.4	Rigs rudder	NA01-75GA(X)-2-9	14FD0		/ /	/ /	
D-6	Rudder trim tab				/ /	/ /	
D-6.1	R&R trim tab	NA01-75GA(X)-2-9	14EE0		/ /	/ /	
D-6.2	R&R trim flex drive	NA01-75GA(X)-2-9	14EE9		/ /	/ /	
D-6.3	R&R trim actuator	NA01-75GA(X)-2-9	14EE9		/ /	*	/ /
D-6.4	R&R trim tab hardware	NA01-75GA(X)-2-9	14EE9		/ /	/ /	
D-6.5	Rigs trim tabs	NA01-75GA(X)-2-9	14EE0		/ /	/ /	
D-7	Wing flaps				/ /	/ /	
D-7.1	R&R outer wing flap	NA01-75GA(X)-2-9	14F50		/ /	/ /	
D-7.2	R&R center wing flap	NA01-75GA(X)-2-9	14F60		/ /	/ /	
D-7.3	R&R flap jackscrew	NA01-75GA(X)-2-9	14F61		/ /	/ /	
D-7.4	Rigs flaps	NA01-75GA(X)-2-9	14F50/60		/ /	/ /	
D-8	Wing flaps emergency extension				/ /	/ /	
D-8.1	Repairs manual flap drive	NA01-75GA(X)-2-9	14F70		/ /	/ /	

B.65 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the forward fuselage using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Flight station windows	NA01-75GA(X)-2-2		*	/ /	/ /	
A-2	Crew entrance door				/ /	/ /	
A-2.1	Crew entrance door normal operation	NA01-75GA(X)-2-2	11DF0	*	/ /	/ /	
A-2.2	Crew entrance door jettison	NA01-75GA(X)-2-2	11DF600	*	/ /	/ /	
A-3	Throttle/condition control cables	NA01-75GA(X)-2-2	293AH20	*	/ /	/ /	
B	Functional check						
B-1	Flight station windows				/ /	/ /	
B-2	Windshield wiper assembly	NA01-75GA(X)-2-7	49210		/ /	/ /	
B-3	Crew entrance door				/ /	/ /	
B-3.1	Crew entrance door normal operation	NA01-75GA(X)-2-2	11DF0		/ /	/ /	
B-3.2	Crew entrance door jettison	NA01-75GA(X)-2-2	11DF600		/ /	/ /	
B-4	Throttle condition control cables	NA01-75GA(X)-2-4	293AH20		/ /	/ /	
C	Fault isolation						
C-1	Flight station windows				/ /	/ /	
C-1.1	NESA windows	NA01-75GA(X)-2-2	11DE0		/ /	/ /	
C-1.2	Non NESA windows	NA01-75GA(X)-2-2	11DE3		/ /	/ /	
C-2	Windshield wiper assembly	NA01-75GA(X)-2-7	49210		/ /	/ /	
C-3	Crew entrance door				/ /	/ /	
C-3.1	Crew entrance door normal operation	NA01-75GA(X)-2-2	11DF0		/ /	/ /	
C-3.2	Crew entrance door jettison	NA01-75GA(X)-2-2	11DF600		/ /	/ /	

DA B.65 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-4	Sextant mount	NA01-75GA(X)-3	73513		/ /	/ /	
C-5	Radome	NA01-75GA(X)-3	11D90		/ /	/ /	
C-6	Throttle condition control cables	NA01-75GA(X)-2-4			/ /	/ /	
D	Organizational maintenance						
D-1	Pilot/co-pilot seats				/ /	/ /	
D-1.1	R&R pilot/co-pilot seat	NA01-75GA(X)-2-2	12111		/ /	/ /	
D-1.2	Repairs pilot/co-pilot seat	NA01-75GA(X)-3	1212(X)		/ /	/ /	
D-2	Crew seats				/ /	/ /	
D-2.1	R&R crew seats	NA01-75GA(X)-2-2	12112/7/D		/ /	/ /	
D-2.2	Repairs crew seat	NA01-75GA(X)-3	1212(X)		/ /	/ /	
D-3	Flight station window				/ /	/ /	
D-3.1	R&R NESA window	NA01-75GA(X)-2-2	11DE0		/ /	/ /	
D-3.2	R&R non NESA window	NA01-75GA(X)-2-2	11DE3		/ /	/ /	
D-4	Windshield wiper system				/ /	/ /	
D-4.1	R&R wiper blade	NA01-75GA(X)-2-7	49212		/ /	/ /	
D-4.2	R&R wiper motor	NA01-75GA(X)-2-7	49213		/ /	/ /	
D-4.3	R&R wiper converter	NA01-75GA(X)-2-7	49219		/ /	/ /	
D-4.4	Adjusts wiper system	NA01-75GA(X)-2-7	49210		/ /	/ /	
D-5	Crew entrance door normal operation				/ /	/ /	
D-5.1	R&R crew entrance door	NA01-75GA(X)-2-2	11DF0		/ /	/ /	
D-5.2	R&R crew door negator motor	NA01-75GA(X)-2-2	11DF210		/ /	/ /	
D-5.3	R&R crew door seals	NA01-75GA(X)-2-2	11DF9		/ /	/ /	
D-5.4	R&R crew door bushings	NA01-75GA(X)-2-2	11DF9		/ /	/ /	
D-5.5	R&R crew door hooks	NA01-75GA(X)-2-2	11DF9		/ /	/ /	
D-5.6	R&R mechanical linkage	NA01-75GA(X)-2-2	11DF9		/ /	/ /	
D-5.7	Adjusts mechanical linkage	NA01-75GA(X)-2-2	11DF9		/ /	/ /	
D-6	Crew entrance door jettison				/ /	/ /	
D-6.1	R&R mechanical linkage	NA01-75GA(X)-2-2	11DF9		/ /	/ /	
D-6.2	Adjusts mechanical linkage	NA01-75GA(X)-2-2	11DF9		/ /	/ /	
D-7	Sextant mount				/ /	/ /	
D-7.1	R&R sextant mount	NA01-75GA(X)-2-2	73513		/ /	/ /	
D-8	Radome				/ /	/ /	
D-8.1	Open/close radome	NA01-75GA(X)-3	11D90		/ /	/ /	
D-8.2	Repairs radome	NA01-75GA(X)-3	11D91		/ /	/ /	
D-8.3	R&R radome	NA01-75GA(X)-3	11D91		/ /	/ /	
D-9	R&R throttle cables	NA01-75GA(X)-2-4	293AH00		/ /	/ /	
D-10	Rigs throttle cables	NA01-75GA(X)-2-4	293AH00		/ /	/ /	
D-11	R&R Throttle condition control cables	NA01-75GA(X)-2-4	293AH20		/ /	/ /	
D-12	Rig throttle condition control cables	NA01-75GA(X)-2-4	293AH20		/ /	/ /	

B.66 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the aerial delivery systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Static line retriever	NA01-75GA(X)-2-7	11B1H		/ /	/ /	/ /
A-2	Paratroop jump light system	NA01-75GA(X)-9	11B13		/ /	/ /	/ /
A-3	Paratroop doors	NA01-75GA(X)-2-2	11DV0		/ /	/ /	/ /
A-4	Air deflector doors	NA01-75GA(X)-2-2	11DJ510		/ /	/ /	/ /
A-5	JATO system	NA01-75GA(X)-2-4	49320		/ /	/ /	/ /
A-6	Cargo ramp	NA01-75GA(X)-2-2	11DZ0		/ /	/ /	/ /
A-7	Aft cargo door	NA01-75GA(X)-2-2	11DY0		/ /	/ /	/ /
A-8	Alarm Bell system	NA01-75GA(X)-9	11B10		/ /	/ /	/ /
B	Functional check						
B-1	Static line retriever	NA01-75GA(X)-2-7	11B1H		/ /	/ /	/ /
B-2	Paradoor jump light system	NA01-75GA(X)-9	11B13		/ /	/ /	/ /
B-3	Paratroop doors	NA01-75GA(X)-2-2	11DV0		/ /	/ /	/ /
B-4	Air deflector door actuator	NA01-75GA(X)-2-2	11DJ521		/ /	/ /	/ /
B-5	JATO system	NA01-75GA(X)-2-4	49320		/ /	/ /	/ /
B-6	Cargo ramp	NA01-75GA(X)-2-2	11DZ0		/ /	/ /	/ /
B-7	Aft cargo door	NA01-75GA(X)-2-2	11DY0		/ /	/ /	/ /
B-8	Alarm bell system	NA01-75GA(X)-2-9	11B10		/ /	/ /	/ /
C	Fault isolation						
C-1	Static line retriever	NA01-75GA(X)-2-7	11B1K		/ /	/ /	/ /
C-2	Alarm Bell System	NA01-75GA(X)-9	11B13		/ /	/ /	/ /
C-3	Paratroop doors	NA01-75GA(X)-2-2	11DV0		/ /	/ /	/ /
C-4	Air deflector doors	NA01-75GA(X)-2-2	11DJ510		/ /	/ /	/ /
C-5	JATO system	NA01-75GA(X)-2-4	49320		/ /	/ /	/ /
C-6	Cargo ramp	NA01-75GA(X)-2-2	11DZ0		/ /	/ /	/ /
C-7	Aft cargo door	NA01-75GA(X)-2-2	11DY0		/ /	/ /	/ /
C-8	Paratroop jump light system	NA01-75GA(X)-9	11B10		/ /	/ /	/ /
D	Organizational maintenance						
D-1	Static line retriever				/ /	/ /	/ /
D-1.1	R&R static line retriever	NA01-75GA(X)-3	11B1H		/ /	/ /	/ /
D-2	R&R alarm bell				/ /	/ /	/ /
D-2.1	R&R abcgor arm actuator	NA01-75GA(X)-3	11B13		/ /	/ /	/ /
D-3	Paratroop door				/ /	/ /	/ /
D-3.1	R&R paratroop door	NA01-75GA(X)-2-2	11DV100		/ /	/ /	/ /
D-3.2	R&R paratroop door negator motor	NA01-75GA(X)-2-2	11DV400		/ /	/ /	/ /
D-3.3	R&R door seal	NA01-75GA(X)-2-2	11DV9		/ /	/ /	/ /
D-3.4	Adjusts mechanical linkage	NA01-75GA(X)-2-2	11DV9		/ /	/ /	/ /
D-3.5	R&R paratroop door window	NA01-75GA(X)-2-2	11DV113		/ /	/ /	/ /
D-4	Air deflector door				/ /	/ /	/ /
D-4.1	R&R air deflector door	NA01-75GA(X)-2-2	11DJ510		/ /	/ /	/ /
D-4.2	R&R actuator	NA01-75GA(X)-2-2	11DJ520		/ /	/ /	/ /
D-4.3	Adjusts actuator	NA01-75GA(X)-2-2	11DJ520		/ /	/ /	/ /
D-5	JATO system				/ /	/ /	/ /
D-5.1	R&R hooks and lugs	NA01-75GA(X)-2-4	4932A		/ /	/ /	/ /

DA B.66 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-5.2	R&R jettison handle/cable	NA01-75GA(X)-2-4	4932A		/ /	/ /	
D-5.3	Adjusts jettison handle/cable	NA01-75GA(X)-2-4	4932A		/ /	/ /	
D-5.4	Adjusts hooks and lugs	NA01-75GA(X)-2-4	4932A				
D-6	Cargo ramp				/ /	/ /	
D-6.1	R&R cargo ramp	NA01-75GA(X)-2-2	11D21		/ /	/ /	
D-6.2	R&R ramp seal	NA01-75GA(X)-2-2	11D29		/ /	/ /	
D-6.3	Rigs cargo ramp	NA01-75GA(X)-2-2	11D20		/ /	/ /	
D-7	Aft cargo door				/ /	/ /	
D-7.1	R&R aft cargo door	NA01-75GA(X)-2-2	11DY100		/ /	/ /	
D-7.2	R&R door seal	NA01-75GA(X)-2-2	11DY9		/ /	/ /	
D-7.3	Rigs aft cargo door	NA01-75GA(X)-2-2	11DY0		/ /	/ /	
D-8	R&R micro switch	NA01-75GA(X)-9			/ /	/	

B.67 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the wing group using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Wing tip	NA01-75GA(X)-2-2	11D2210		/ /	/ /	
A-2	Wing leading edge	NA01-75GA(X)-2-2	11D40		/ /	/ /	
A-3	Dry bay	NA01-75GA(X)-2-2	11D20	*	/ /	/ /	
A-4	Wet bay	NA01-75GA(X)-2-2	11D20	*	/ /	/ /	
A-5	Life raft compartment	NA01-75GA(X)-2-2	11DG9	*	/ /	/ /	
A-6	External fuel tank/pylon	NA01-75GA(X)-2-(X)	4612400	*	/ /	/ /	
A-7	In-flight refueling pod/pylon	NA01-75GA(X)-2-(X)	11D5125	*	/ /	/ /	
A-8	Nacelles	NA01-75GA(X)-2-2	293A100	*	/ /	/ /	
A-9	Fuel cell, (leaks)	NA01-75GA(X)-2-(X)	46A69	*	/ /	/ /	
B	Functional check						
B-1	Wet bay	NA01-75GA(X)-2-2	11D20	*	/ /	/ /	
B-2	External fuel tank/pylon	NA01-75GA(X)-2-(X)	4612400	*	/ /	/ /	
B-3	In-flight refueling pod/pylon	NA01-75GA(X)-2-(X)	11D5125	*	/ /	/ /	
B-4	Fuel cell (leaks)	NA01-75GA(X)-2-(X)	46A69	*	/ /	/ /	
C	Fault isolation						
C-1	External fuel tank/pylon	NA01-75GA(X)-2-(X)	46120		/ /	/ /	
C-2	In-flight refueling pod/pylon	NA01-75GA(X)-2-(X)	11D5120		/ /	/ /	

DA B.67 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-3	Fuel cell, (leaks)	NA01-75GA(X)-2-(X)	46A69		/ /	/ /	
D	Organizational maintenance						
D-1	Wing tip				/ /	/ /	
D-1.1	R&R wing tip	NA01-75GA(X)-2-2	11D2210		/ /	/ /	
D-1.2	R&R wing joint access cover	NA01-75GA(X)-2-2	11D1200		/ /	/ /	
D-2	Wing leading edge				/ /	/ /	
D-2.1	R&R wing leading edge	NA01-75GA(X)-2-2	11D40		/ /	/ /	
D-3	Dry bay				/ /	/ /	
D-3.1	R&R dry bay cover	NA01-75GA(X)-2-2	11D20		/ /	/ /	
D-4	Wet bay				/ /	/ /	
D-4.1	R&R wet bay cover	NA01-75GA(X)-2-2	11D20		/ /	/ /	
D-5	Life raft compartment				/ /	/ /	
D-5.1	R&R buckets	NA01-75GA(X)-2-2	11DG9		/ /	/ /	
D-5.2	Repairs buckets	NA01-75GA(X)-3	11DG9		/ /	/ /	
D-6	External fuel tank/pylon				/ /	/ /	
D-6.1	R&R tank/pylon	NA01-75GA(X)-(X)	4612400		/ /	/ /	
D-6.2	R&R fwd/aft cone assembly/seal	NA01-75GA(X)-(X)	46129		/ /	/ /	
D-7	In-flight refueling pod/pylon				/ /	/ /	
D-7.1	R&R pod/pylon	NA01-75GA(X)-(X)	11D5125		/ /	/ /	
D-7.2	R&R pod fairing	NA01-75GA(X)-(X)	11D5123		/ /	/ /	
D-7.3	R&R pod tunnel	NA01-75GA(X)-(X)	11D59		/ /	/ /	
D-8	Nacelles				/ /	/ /	
D-8.1	R&R oil cooler ice shield	NA01-75GA(X)-3	293A6E0		/ /	/ /	
D-8.2	R&R exhaust shield	NA01-75GA(X)-3	293A5		/ /	/ /	
D-8.3	R&R fuel heater strainer bracket	NA01-75GA(X)-3	293A6H1		/ /	/ /	
D-8.4	R&R diagonal tube assemblies (truss)	NA01-75GA(X)-3	293A660		/ /	/ /	
D-9	Integral fuel cell (leaks)				/ /	/ /	
D-9.1	R&R hardware	NA01-75GA(X)-3	46A69		/ /	/ /	
D-9.2	Reseals fuel cell	NA01-75GA(X)-3	46A69		/ /	/ /	
D-10	Auxiliary fuel cell (leaks)				/ /	/ /	
D-10.1	R&R fuel bladder	NA01-75GA(X)-3	46AR9		/ /	/ /	
D-10.2	R&R hardware	NA01-75GA(X)-3	46AR9		/ /	/ /	

B.68 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the aircraft skin/structural repair using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Aircraft skin/structural repair	NA01-75GA(X)-3		*	/ /	/ /	
B	Organizational maintenance						
B-1	Repair figure identification	NA01-75GA(X)-3			/ /	/ /	
B-2	Metal fabrication/layout	NA01-75GA(X)-3			/ /	/ /	

DA B.68 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-3	Performs flush patch	NA01-75GA(X)-3		/ /	/ /	/ /	
B-4	Performs lap patch	NA01-75GA(X)-3		/ /	/ /	/ /	
B-5	Performs insertion patch	NA01-75GA(X)-3		/ /	/ /	/ /	
B-6	Repairs pressurized area	NA01-75GA(X)-3		/ /	/ /	/ /	
B-7	Repairs unpressurized area	NA01-75GA(X)-3		/ /	/ /	/ /	

B.69 Performs applicable organizational level maintenance on removal/installation of aircraft common hardware using appropriate maintenance procedures and support equipment.

A	Solid rivets	NA01-1A-8		/ /	/ /	/ /	
B	Lock rivets, (cherry max)	NA01-1A-8		/ /	/ /	/ /	
C	Jo-Bolts	NA01-1A-8		/ /	/ /	/ /	
D	Shear lock	NA01-1A-8		/ /	/ /	/ /	
E	Taper lock	NA01-1A-8		/ /	/ /	/ /	
F	Machine screws	NA01-1A-8		/ /	/ /	/ /	
G	Machine bolts	NA01-1A-8		/ /	/ /	/ /	
H	Nut plates	NA01-1A-8		/ /	/ /	/ /	
I	Anchor nuts	NA01-1A-8		/ /	/ /	/ /	
J	Heli-coils	NA01-1A-8		/ /	/ /	/ /	
K	Dzus fasteners	NA01-1A-8		/ /	/ /	/ /	
L	Camlocks	NA01-1A-8		/ /	/ /	/ /	
M	Latches	NA01-1A-8		/ /	/ /	/ /	
N	Panlock fastener	NA01-1A-8		/ /	/ /	/ /	

ITSS (MATMEP)

DRAFT

## APPENDIX A

## INDIVIDUAL EXPERIENCE DATA SHEET

### INDIVIDUAL DATA

### UNIT EXPERIENCE DATA

NAME: \_\_\_\_\_

UNIT

SHOP

## BILLET

**FROM/TO DATES**

SSN: \_\_\_\_\_

## FORMAL SCHOOLS

SCHOOLS NAME

DATE COMPLETED

**COMMENTS:**

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## APPENDIX C

WORK CENTER SUMMARY  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

WORK CENTER NAME/NUMBER \_\_\_\_\_

NAME/MOS	LEVEL	A.1	A.2	A.3	A.4	B.1	B.2	B.3	B.4	B.5	B.6	B.7	B.8	B.9	B.10	B.11	B.12
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																
	II						XXXX										
	III																
	IV																

DATE: April 2002

## APPENDIX C

WORK CENTER SUMMARY  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

WORK CENTER NAME / NUMBER \_\_\_\_\_

DATE: April 2002

## APPENDIX C

WORK CENTER SUMMARY  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

WORK CENTER NAME / NUMBER \_\_\_\_\_

DATE: April 2002

## APPENDIX C

**WORK CENTER SUMMARY**  
**AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)**

WORK CENTER NAME/NUMBER \_\_\_\_\_

DATE: April 2002

## APPENDIX C

WORK CENTER SUMMARY  
AIRCRAFT FLIGHT ENGINEER (MOS 6232/6242)

WORK CENTER NAME/NUMBER \_\_\_\_\_

NAME/MOS	LEVEL	B.61	B.62	B.63	B.64	B.65	B.66	B.67	B.68	B.69
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									
	II	XXXX	XXXX				XXXX			XXXX
	III	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	XXXX
	IV									

DATE: April 2002

## APPENDIX D

SUPPORT EQUIPMENT LICENSING RECORD

NAME / SSN:

RANK: \_\_\_\_\_ MOS: \_\_\_\_\_

DATE: April 2002