DUTY AREA
HELICOPTER POWER PLANTS MECHANIC T-400/T-700 ENGINE (MOS 6124)

A. GENERAL, OPERATIONAL AND SAFETY DUTIES

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

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs **scheduled/unscheduled inspections** on applicable systems/components per Maintenance Requirement Cards.
2. Incorporates applicable **Technical Directives changes/bulletins**.
3. Detects corrosion and performs **corrosion control**.

T-400 Engine

4. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-400 power section assembly** using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-400 reduction gearbox assembly** using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of the **T-400 engine assembly troubleshooting techniques/steps** applicable to the intermediate level of maintenance using appropriate maintenance procedures and support/test equipment.

T-700 Engine

7. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 engine assembly** using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 cold section module** using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 power turbine module** using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 fuel system** using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 electrical system** using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 air system** using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 lubrication system** using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of **appropriate troubleshooting techniques/steps** applicable to the intermediate level of maintenance on the T-700 engine assembly using appropriate maintenance procedures and support/test equipment.

SKILL PROGRESSION LEVEL DEFINITIONS

LEVEL I: An asterisk in level I indicates the task is taught in an Entry Level School (“A” school).

LEVEL II: An asterisk in level II indicates the task is taught at a NAMTRAMARUNIT/”C” school. 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 that the Marine performs after initial exposure should be annotated on the OPNAV 4790/33 form until the Marine 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 without 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 singed-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
HELICOPTER POWER PLANTS MECHANIC T-400/T-700 ENGINE (MOS 6124)

NAME/SSN:_____

Granted MOS 6011 _____/_____ Level II _____/_____
Granted MOS 6124 _____/_____ Level III _____/_____
Level IV _____/_____

DUTY #	DUTY DESCRIPTION	LEVEL I DATE / SIGN	LEVEL II DATE / SIGN	LEVEL III DATE / SIGN	LEVEL IV DATE / SIGN
A.	GENERAL, OPERATIONAL AND SAFETY DUTIES	XXXX

INDIVIDUAL QUALIFICATION RECORD
HELICOPTER POWER PLANTS MECHANIC T-400/T-700 ENGINE (MOS 6124)

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 trailer 3000	NA19-25E-20		/ /	* / /	
B	Engine stands					
B-1	3110	NA19-15-14		/ /	* / /	
B-2	CPWA 30600	NA02B-20AA-6-1		/ /	* / /	
B-3	21C7240G01 Maintenance stand	A1-T700A-MMI-200		/ /	* / /	
B-4	21C7324G02 Shipboard stand	A1-T700A-MMI-200		/ /	* / /	
B-5	21C7082G02 Transportation adapter	A1-T700A-MMI-200		/ /	* / /	
B-6	21C7220G01 Horizontal maintenance stand	A1-T700A-MMI-200		/ /	* / /	
B-7	21C7083G01 Power turbine stand	NA01-110HCE-4		/ /	* / /	
B-8	SWE 13852-406	NA01-110HCE-4		/ /	* / /	
C	Engine slings					
C-1	CPWA 30804-50	NA02B-20AA-6-1		/ /	* / /	
C-2	SWE 13833	NA-0110HCE-2		/ /	* / /	
C-3	21C7081G02	A1-T700A-MMI-200		/ /	* / /	
D	NHPC-2 Air compressor	NA19-600-52-6-1		/ /	/ /	
E	Lapping machine	NA02B-20AA-6-1		/ /	/ /	
F	Shroud grinder	NA02B-20AA-6-1		/ /	* / /	
G	Borescope	A1-T700A-MMI-200		/ /	* / /	
H	Pullers	A1-T700A-MMI-200		/ /	* / /	
I	Dry ice machine	A1-T700A-MMI-200		/ /	/ /	
J	Hydraulic hand pump	A1-T700A-MMI-200		/ /	* / /	

A.2 Demonstrates/applies applicable **safety precautions and procedures around the work center**.

A	Ground occupational safety & health programs in specific areas					
A-1	First aid procedures	Marine BST/Essential Subjects Book		* / /	* / /	
A-2	Use of solvents/paints/strippers/ Sealants (Shelf life, Material Safety Data Sheets)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 DOD 4140.27-M Local Instr		* / /	/ /	

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DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-3	Hazardous material/waste	OPNAVIST 4790.2 Local Instr		/ /	/ /	
A-4	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instr	*	* / /	* / /	
A-5	Composite material safety	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1	*	/ /	/ /	
A-6	Personal protective equipment (Safety/flight clothing, hearing/eye protection, etc.)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instr	*	* / /	* / /	
A-7	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instr	*	* / /	* / /	
C	Fire fighting					
C-1	Types of fire extinguishers	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1		* / /	* / /	

A.3 Demonstrates/applies knowledge of applicable **publications, diagrams, sketches and drawings**.

A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2 series	*	/ /	* / /	
B	Naval Air System Command Technical Manual Program	NA00-25-100	*	/ /	* / /	
C	Occupational Safety & Health Administration manual	OSHA 29 CFR 1910		/ /	/ /	
D	Safety Requirements for Naval Aviation Shore activities/afloat activities	NAVAIR A1-NAOSH-SAF-000/P5100-1 OPNAVINST 5100-19		/ /	/ /	
E	Preservation of Aircraft Engines	NA15-01-500		/ /	* / /	
F	Weapons Systems Cleaning and Corrosion Control Manual	NA01-1A-509		/ /	* / /	
G	Support Equipment Corrosion Control Manual	NA17-1-125		/ /	/ /	
H	Individual Components Repair List (ICRL)	NAVAIRINST 4790.18		/ /	/ /	
I	Master Components Repair List (MCRL)	NAVSUP-P485		/ /	/ /	
J	Work Unit Code Manual (WUC)	NA01-110HCE-8	*	/ /	/ /	
K	Aviation Hydraulics Manual	NA01-1A-17		/ /	* / /	
L	Aviation Hose and Tube Manual	NA01-1A-20		/ /	/ /	

DA A.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
M	Maintenance Instruction Manuals (MIM'S)					
M-1	T700-GE-401 Engine Turboshaft Intermediate Maintenance, Volume I	A1-T700A-MMI-200		* / /	* / /	
M-2	T700-GE-401 Engine Turboshaft Intermediate Maintenance, Volume II	A1-T700A-MMI-201		* / /	* / /	
M-3	Engine Turboshaft Twin Power Section MIM	NA02B-20AA-6-1		* / /	* / /	
M-4	UH-1N MIM	NA01-110HCE-2-3		/ /	* / /	
M-5	AH-1W MIM	NA01-H1AAC-2-3.3		/ /	* / /	
N	Illustrated Parts Breakdown manuals (IPB)					
N-1	T700-GE-401 Engine Turboshaft IPB	A1-T700A-IPB-400		* / /	* / /	
N-2	Engine Turboshaft Twin power section IPB	NA02B-20AA-4		* / /	* / /	
N-3	UH-1N IPB	NA01-110HCE-4-3		/ /	* / /	
N-4	AH-1W IPB	NA01-H1AAC-2-3.3		/ /	* / /	
O	Maintenance Requirement Cards (MRC's)					
O-1	T400-CP-400 Maintenance Requirement Cards	NA02B-20AA-6-3		/ /	* / /	
O-2	Engine Complete Repair Requirement Cards	NA02B-20AA-6-4		/ /	* / /	
O-3	Sequence Control Chart	NA02B-20AA-6-5		/ /	* / /	
O-4	T700 GE-401 Quick Engine Change assembly	A1-T700A-MRC-200		/ /	* / /	
P	T700_GE-401 Troubleshooting	NA01-H1AAC-2-3.2		* / /	* / /	
Q	Conditional inspections	NA01-H1AAC-2.16		* / /	* / /	
R	Standard Practice Manual	NA01-1-20		/ /	* / /	
S	Standard Practice Manual	NA01-1-517		/ /	* / /	

A.4 Performs tasks using applicable **precision measuring equipment**.

A	Operates jet calibration analyzer, (T700)	A1-T700A-MMI-210		/ /	/ /	
B	Operates calibrator seal tester	A1-T700A-MMI-210		/ /	/ /	
C	Operates gas generator stator run-out fixture	A1-T700A-MMI-200		* / /	* / /	
D	Operates power takeoff drive gear	A1-T700A-MMI-200		* / /	* / /	
E	Operates oil flow tester	A1-T700A-MMI-200		* / /	/ /	
F	Operates backlash fixture	A1-T700A-MMI-200		* / /	* / /	
G	Operates torque wrench multiplier	A1-T700A-MMI-200		/ /	* / /	
H	Operates fuel manifold tester	A1-T700A-MMI-210		/ /	* / /	
I	Operates fuel manifold tester	NA02B-20AA-6-1		/ /	* / /	
J	Operates compressor turbine shroud radius gauge	NA02B-20AA-6-1		/ /	* / /	
K	Operates compressor impeller clearance check	NA02B-20AA-6-1		* / /	* / /	
L	operates compressor impeller clearance gauge plate	NA02B-20AA-6-1		* / /	* / /	
M	Operates power turbine shroud radius gauge	NA02B-20AA-6-1		/ /	/ /	

INDIVIDUAL QUALIFICATION RECORD
HELICOPTER POWER PLANTS MECHANIC T-400/T-700 ENGINE (MOS 6124)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

B.1 Performs **scheduled/unscheduled inspections** on applicable systems/components as per Maintenance Requirement Cards.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Performs Major Engine Inspection (MEI)						
A-1	T-400 engine	NA02B-20AA-6-3	030400		/ /	* / /	
A-2	T-700 engine	A1-T700A-MCC-200	030400		/ /	* / /	
B	Performs preservation/depreservation of aircraft engines						
B-1	T-400 engine	NA02B-20AA-6-1 NA15-01-500			/ /	* / /	
B-2	T-700 engine	A1-T700A-MMI-200 NA15-01-500			/ /	* / /	
C	Performs engine wash						
C-1	T-400 engine	NA02B-20AA-6-3	22CB0		/ /	* / /	
C-2	T-700 engine	A1-T700A-MMI-200	22100		/ /	* / /	

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 Detects corrosion and performs **corrosion control**.

A	Identifies corrosion detection during all maintenance actions performed on the engine	NA15-02-500 NA01-1A-509			/ /	* / /	
B	Performs corrective action on corrosion discrepancies found on the engine/components	NA15-02-500 NA01-1A-509			/ /	* / /	
C	Performs corrosion prevention using proper preventive materials and methods	NA15-02-500 NA01-1A-509			/ /	* / /	
D	Performs corrosion detection/prevention on support equipment	NA017-1-125			* / /	* / /	

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T-400

B.4 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-400 power section assembly** 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	T400 power section assembly	NA02B-20AA-6-1	22CB0	*	* / /	* / /	
B	Fault isolation						
B-1	Fuel manifold adapter assembly	NA02B-20AA-6-1	22CB230		* / /	* / /	
B-2	Compressor bleed air valve assembly	NA02B-20AA-6-1	22CB260		* / /	* / /	
C	Intermediate maintenance						
C-1	R&R power turbine and exhaust assembly	NA02B-20AA-6-1	22CB100		* / /	* / /	
C-2	R&R fire seal assembly	NA02B-20AA-6-1	22CB120		* / /	/ /	
C-3	R&R #3 and #4 bearing housing assembly	NA02B-20AA-6-1	22CB150		* / /	* / /	
C-4	R&R single port exhaust duct assembly	NA02B-20AA-6-1	22CB160		* / /	* / /	
C-5	R&R power turbine stator assembly	NA02B-20AA-6-1	22CB170		* / /	* / /	
C-6	R&R power turbine rotor balancing assembly	NA02B-20AA-6-1	22CB180		* / /	* / /	
C-7	R&R power turbine stator housing	NA02B-20AA-6-1	22CB190		* / /	* / /	
C-8	R&R gas generator assembly	NA02B-20AA-6-1	22CB200		* / /	* / /	
C-9	R&R fuel flow divider and dump valve assembly	NA02B-20AA-6-1	22CB210		* / /	* / /	
C-10	R&R fuel manifold inlet adapter assembly	NA02B-20AA-6-1	22CB220		* / /	* / /	
C-11	R&R fuel manifold adapter assembly	NA02B-20AA-6-1	22CB230		* / /	* / /	
C-12	R&R gas generator case assembly	NA02B-20AA-6-1	22CB240		* / /	* / /	
C-13	R&R compressor inlet fairing assembly	NA02B-20AA-6-1	22CB250		* / /	* / /	
C-14	R&R compressor bleed air valve assembly	NA02B-20AA-6-1	22CB260		* / /	* / /	
C-15	Repair compressor bleed air valve assembly	NA02B-20AA-6-1	22CB260		/ /	* / /	
C-16	R&R spark igniter	NA02B-20AA-6-1	22CB270		* / /	* / /	
C-17	R&R compressor turbine disk balancing assembly	NA02B-20AA-6-1	22CB280		* / /	* / /	
C-18	R&R combustion chamber liner assembly	NA02B-20AA-6-1	22CB290		* / /	* / /	
C-19	R&R turbine vane ring assembly	NA02B-20AA-6-1	22CB2A0		* / /	* / /	
C-20	R&R small comb chamber exit duct assembly	NA02B-20AA-6-1	22CB2B0		* / /	* / /	
C-21	R&R large comb chamber exit duct assembly	NA02B-20AA-6-1	22CB2C0		* / /	* / /	
C-22	R&R compressor rotor balancing assembly	NA02B-20AA-6-1	22CB2D0		* / /	* / /	
C-23	R&R compressor inlet case assembly	NA02B-20AA-6-1	22CB2E0		* / /	* / /	
C-24	R&R compressor turbine shroud assembly	NA02B-20AA-6-1	22CB2F0		* / /	* / /	
C-25	R&R center fire seal assembly	NA02B-20AA-6-1	22CB2G0		* / /	/ /	
C-26	R&R accessory gearbox assembly	NA02B-20AA-6-1	22CB400		* / /	* / /	
C-27	R&R check and regulating valve assembly	NA02B-20AA-6-1	22CB440		/ /	* / /	
C-28	R&R air inlet screen	NA02B-20AA-6-1	22CB5		* / /	/ /	
C-29	R&R manual fuel control unit	NA02B-20AA-6-1	22CB8		* / /	* / /	
C-30	R&R automatic fuel control unit	NA02B-20AA-6-1	22CBA		* / /	* / /	
C-31	R&R fuel pump	NA02B-20AA-6-1	22CBB		* / /	* / /	

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DA B.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-32	R&R pressurization valve assembly	NA02B-20AA-6-1	22CBC		/ /	* / /	
C-33	R&R air pressure heated tube assembly	NA02B-20AA-6-1	22CBD		* / /	* / /	
C-34	R&R oil to fuel heat exchanger	NA02B-20AA-6-1	22CBE		/ /	* / /	
C-35	R&R bottom front fire seal assembly	NA02B-20AA-6-1	22CBF		* / /	* / /	
C-36	R&R top front fire seal assembly	NA02B-20AA-6-1	22CBG		* / /	* / /	
C-37	R&R T-5 integral thermocouple harness	NA02B-20AA-6-1	22CBJ		/ /	* / /	
C-38	R&R T-5 bias box	NA02B-20AA-6-1	22CBL		/ /	* / /	
C-39	R&R power section air tubes	NA02B-20AA-6-1	22CBN00		* / /	* / /	
C-40	R&R power section oil tubes	NA02B-20AA-6-1	22CBP		* / /	* / /	
C-41	R&R power section fuel tubes	NA02B-20AA-6-1	22CBQ		* / /	* / /	
C-42	R&R power section module	NA02B-20AA-6-1	22CB0		* / /	* / /	

B.5 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-400 reduction gearbox assembly** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Reduction gearbox assembly	NA02B-20AA-6-1	22C00	*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R torque control assembly	NA02B-20AA-6-1	22CC1		/ /	* / /	
B-2	R&R free turbine governor	NA02B-20AA-6-1	22CC2		/ /	* / /	
B-3	R&R bare assembly reduction gearbox	NA02B-20AA-6-1	22CC300		/ /	* / /	

B.6 Demonstrates/applies knowledge of the **T-400 engine assembly troubleshooting techniques/steps** applicable to the intermediate level of maintenance using appropriate maintenance procedures and support/test equipment.

A	Fault isolation						
A-1	Electrical system	NA02B-20AA-6-1	22CB0		* / /	* / /	
A-2	Lubrication system	NA02B-20AA-6-1	22CB0		* / /	* / /	
A-3	Air system	NA02B-20AA-6-1	22CB0		* / /	* / /	
A-4	Fuel system	NA02B-20AA-6-1	22CB0		* / /	* / /	
A-5	Power/performance	NA02B-20AA-6-1	22CB0		* / /	* / /	

T-700

B.7 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 engine assembly** 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	T700 engine assembly	A1-T700A-MMI-200		*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R accessory section	A1-T700A-MMI-200	22140		* / /	/ /	
B-2	R&R accessory drive gearbox assembly	A1-T700A-MMI-200	2214100		* / /	/ /	
B-3	R&R axis A oil nozzle	A1-T700A-MMI-200	2214150		* / /	/ /	
B-4	R&R axis B carbon seal	A1-T700A-MMI-200	2214150		* / /	/ /	
B-5	R&R axis E carbon seal	A1-T700A-MMI-200	2214150		* / /	/ /	
B-6	R&R axis G carbon seal	A1-T700A-MMI-200	2214150		* / /	* / /	
B-7	R&R particle separator blower	A1-T700A-MMI-200	22144		* / /	/ /	
B-8	R&R radial driveshaft assembly	A1-T700A-MMI-200	2214T		* / /	* / /	
B-9	R&R hot section	A1-T700A-MMI-200	221500	*	* / /	* / /	
B-10	R&R gas generator rotor assembly	A1-T700A-MMI-200	221500		* / /	* / /	
B-11	R&R stage 1 turbine nozzle	A1-T700A-MMI-200	221500		* / /	* / /	
B-12	R&R combustion liner	A1-T700A-MMI-200	221500		* / /	* / /	
B-13	R&R gas generator stator assembly	A1-T700A-MMI-200	221500		* / /	* / /	

B.8 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 cold section module** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	T700 cold section module	A1-T700A-MMI-200	221100	*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R cold section module	A1-T700A-MMI-200	221100		* / /	* / /	
B-2	R&R actuating system linkage assembly	A1-T700A-MMI-200	2211B00		* / /	* / /	
B-3	R&R IGV actuating ring	A1-T700A-MMI-200	2211T		* / /	* / /	
B-4	R&R particle separator	A1-T700A-MMI-200	22111		* / /	/ /	
B-5	R&R A-sump output shaft assembly	A1-T700A-MMI-200	2211200		* / /	* / /	
B-6	R&R output shaft	A1-T700A-MMI-200	2211210		* / /	* / /	
B-7	R&R No.1 carbon seal	A1-T700A-MMI-200	2211220		* / /	* / /	
B-8	R&R No.1 bearing rotating seal	A1-T700A-MMI-200	2211230		* / /	* / /	
B-9	R&R No.1&2 bearing housing	A1-T700A-MMI-200	2211240		* / /	/ /	
B-10	R&R No.1 duplex ball bearing	A1-T700A-MMI-200	2211250		* / /	/ /	
B-11	R&R No.2 roller bearing	A1-T700A-MMI-200	2211260		* / /	/ /	
B-12	R&R power takeoff drive assembly	A1-T700A-MMI-200	2211300		* / /	* / /	
B-13	R&R No.3 bearing self locking nut	A1-T700A-MMI-200			* / /	* / /	

DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-14	R&R power takeoff bevel gear	A1-T700A-MMI-200	2211320		* / /	/ /	
B-15	R&R No.3 bearing prime oil nozzle	A1-T700A-MMI-200			* / /	/ /	
B-16	R&R power takeoff gear spacer and No.3 bearing fwd, & aft inner races.	A1-T700A-MMI-200			* / /	* / /	
B.17	R&R gas generator turbine shaft	A1-T700A-MMI-200	2211D10		* / /	* / /	
B.18	R&R diffuser and mid-frame casing assembly	A1-T700A-MMI-200	2211G00		* / /	/ /	
B.19	R&R compressor stator assembly	A1-T700A-MMI-200	2211400		* / /	* / /	
B.20	R&R compressor rotor	A1-T700A-MMI-200	2211400		* / /	/ /	
B.21	R&R front frame assembly	A1-T700A-MMI-200	2211500		* / /	/ /	
B.22	R&R mainframe assembly	A1-T700A-MMI-200	2211600		* / /	/ /	
B.23	R&R swirl plate	A1-T700A-MMI-200	2211E		* / /	/ /	
B.24	R&R compressor discharge stationary air seal and E seal	A1-T700A-MMI-200	2211H		* / /	* / /	
B.25	R&R No.4 bearing forward oil seal	A1-T700A-MMI-200			* / /	/ /	
B.26	R&R No.4 bearing support	A1-T700A-MMI-200	2211F		* / /	* / /	
B.27	R&R No.4 bearing	A1-T700A-MMI-200			* / /	* / /	
B.28	R&R No.4 bearing outer race	A1-T700A-MMI-200	2211W		* / /	/ /	
B.29	R&R No.3 bearing	A1-T700A-MMI-200			* / /	/ /	
B.30	R&R No.3 bearing outer race	A1-T700A-MMI-200	22118		* / /	/ /	
B.31	R&R No.3 bearing support	A1-T700A-MMI-200	2211A		* / /	/ /	
B.32	R&R scroll case	A1-T700A-MMI-200			* / /	/ /	
B.33	R&R outer balance piston seal	A1-T700A-MMI-200	2211640		* / /	/ /	

B.9 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 power turbine module** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	T-700 power turbine module	A1-T700A-MMI-200		*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R T-700 power turbine module	A1-T700A-MMI-200	22130		* / /	* / /	
B-2	R&R C-sump housing	A1-T700A-MMI-200	22134		* / /	/ /	
B-3	R&R exhaust frame	A1-T700A-MMI-200	22133		* / /	/ /	
B-4	R&R turbine case	A1-T700A-MMI-200	22131		* / /	/ /	
B-5	R&R power turbine rotor assembly	A1-T700A-MMI-200	2213800		* / /	* / /	
B-6	R&R power turbine shaft	A1-T700A-MMI-200	22137		* / /	* / /	
B-7	R&R No.5 roller bearing	A1-T700A-MMI-200	2213P		* / /	/ /	
B-8	R&R No.6 ball bearing	A1-T700A-MMI-200	2213Q		* / /	/ /	

B.10 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 fuel 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	T700 fuel system	A1-T700A-MMI-200		*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R hydro-mechanical unit	A1-T700A-MMI-200	22163		* / /	* / /	
B-2	R&R fuel boost pump	A1-T700A-MMI-200	22161		* / /	/ /	
B-3	R&R fuel filter assembly	A1-T700A-MMI-200	2216200		* / /	* / /	
B-4	R&R fuel filter element	A1-T700A-MMI-200	2216210		* / /	/ /	
B-5	R&R overspeed and drain valve	A1-T700A-MMI-200	22164		* / /	/ /	
B-6	R&R fuel injector assembly	A1-T700A-MMI-200	22167		* / /	/ /	
B-7	R&R fuel pressure switch	A1-T700A-MMI-200	22168		* / /	/ /	

B.11 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 electrical system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	T700 electrical system	A1-T700A-MMI-200		*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R history recorder	A1-T700A-MMI-200	22172		* / /	/ /	
B-2	R&R green electrical cable	A1-T700A-MMI-200	22177		* / /	/ /	
B-3	R&R yellow electrical cable	A1-T700A-MMI-200	22178		* / /	/ /	
B-4	R&R blue electrical cable	A1-T700A-MMI-200	2217A		* / /	/ /	
B-5	R&R ignition exciter assembly	A1-T700A-MMI-200	2217B		* / /	/ /	
B-6	R&R electrical ignition lead	A1-T700A-MMI-200	2217C		* / /	/ /	
B-7	R&R alternator rotor	A1-T700A-MMI-200	22176		* / /	* / /	
B-8	R&R alternator stator	A1-T700A-MMI-200	22175		* / /	/ /	
B-9	R&R igniter plugs	A1-T700A-MMI-200	22129		* / /	* / /	
B-10	R&R Np sensor	A1-T700A-MMI-200	22170		* / /	/ /	
B-11	R&R thermocouple assembly	A1-T700A-MMI-200	22173		* / /	/ /	
B-12	R&R torque & overspeed sensor	A1-T700A-MMI-200	22174		* / /	/ /	

B.12 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 air 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	T700 air system	A1-T700A-MMI-200		*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R anti-ice/start bleed air valve	A1-T700A-MMI-200	221A1		* / /	/ /	
B-2	R&R P3 tube	A1-T700A-MMI-200	221A2		* / /	/ /	
B-3	R&R T2 sensing tube	A1-T700A-MMI-200	221A4		* / /	/ /	
B-4	Pull check of anti-ice start/bleed air valve	A1-T700A-MMI-200	221A1		* / /	/ /	
B-5	R&R air tubes	A1-T700A-MMI-200	221A(3-5)		* / /	/ /	

B.13 Demonstrates/applies knowledge of the theory of operation and performs applicable intermediate level maintenance on the **T-700 lubrication system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	T700 lubrication system	A1-T700A-MMI-200		*	* / /	* / /	
B	Intermediate maintenance						
B-1	R&R B-sump delta pressure delta tube	A1-T700A-MMI-200	2218C		* / /	/ /	
B-2	R&R electrical chip detector	A1-T700A-MMI-200	22186		* / /	/ /	
B-3	R&R oil lube and scavenge pump	A1-T700A-MMI-200	22183		* / /	/ /	
B-4	R&R oil cooler	A1-T700A-MMI-200	22184		* / /	/ /	
B-5	R&R oil filter assembly	A1-T700A-MMI-200	2218100		* / /	/ /	
B-6	R&R oil pressure transmitter	A1-T700A-MMI-200	22188		* / /	/ /	
B-7	R&R oil tubes	A1-T700A-MMI-200	2218C		* / /	/ /	

B.14 Demonstrates/applies knowledge of the **T-700 engine assembly troubleshooting techniques/steps** applicable to the intermediate level of maintenance using appropriate maintenance procedures and support/test equipment.

A	Fault isolation						
A-1	T700 engine systems	A1-T700A-MMI-200	22100		* / /	* / /	
A-1.1	Electrical system	A1-T700A-MMI-200	22170		* / /	* / /	
A-1.2	Lubrication system	A1-T700A-MMI-200	22180		* / /	* / /	
A-1.3	Air system	A1-T700A-MMI-200	221A0		* / /	* / /	
A-1.4	Fuel system	A1-T700A-MMI-200	22160		* / /	* / /	
A-1.5	Power/performance	A1-T700A-MMI-200	22100		* / /	* / /	

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

NAME:_____

SSN: _____

FORMAL SCHOOLS

SCHOOLS NAME	DATE COMPLETED

UNIT EXPERIENCE DATA

UNIT	SHOP	BILLET	FROM/TO DATES

COMMENTS:

_____

_____

_____

DATE: May 2002

WORK CENTER SUMMARY
HELICOPTER POWER PLANTS MECHANIC T-400/T-700 ENGINE (MOS 6124)

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	B.13	B.14
	II	XXXX				XXXX	XXXX												
	III	XXXX																	
	IV																		
	II	XXXX				XXXX	XXXX												
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	III	XXXX																	
	IV																		
	II	XXXX				XXXX	XXXX												
	III	XXXX																	
	IV																		

NAME/SSN:_____ RANK: _____ MOS: _____ DATE: May 2002

APPENDIX D

SUPPRORT EQUIPMENT LICENSING RECORD

SUPPORT EQUIPMENT NOMENCLATURE	REFERENCE	PHASE I	PHASE II	LICENSED	EXPIRATION

NAME/SSN:_____ RANK: _____ MOS: _____ DATE: May 2002