TM 1-1520-251-PM

TECHNICAL MANUAL

PHASED MAINTENANCE INSPECTION CHECKLIST FOR

ARMY AH-64D HELICOPTER

Note: This Technical Manual supports AH-64D aircraft serial numbers 96-5001 through 01-5284

HEADQUARTERS, DEPARTMENT OF THE ARMY
24 MAY 2002

CHANGE NO. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 16 October 2003

PHASED MAINTENANCE INSPECTION CHECKLIST

FOR

AH–64D HELICOPTER

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited

TM 1-1520-251-PM, 24 May 2002, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages	Insert pages
A and B	A and B
1-1 through 1-4	1-1 through 1-4
2-1 through 2-6	2-1 through 2-6
2-9 and 2-10	2-9 and 2-10
2-15 through 2-23/(2-24 blank)	2-15 through 2-23/(2-24 blank)
2-25 through 2-32	2-25 through 2-32
2-35 through 2-37/(2-38 blank)	2-35 through 2-37/(2-38 blank)
2-43 through 2-50	2-43 through 2-50
2-53 through 2-65/(2-66 blank)	2-53 through 2-65/(2-66 blank)
2-67 through 2-71/(2-72 blank)	2-67 through 2-71/(2-72 blank)
2-73 and 2-74	2-73 and 2-74
2-79 through 2-96	2-79 through 2-96
2-103 through 2-105/(2-106 blank)	2-103 through 2-105/(2-106 blank)
2-107 through 2-115/(2-116 blank)	2-107 through 2-115/(2-116 blank)
2-117 through 2-123/(2-124 blank)	2-117 through 2-123/(2-124 blank)

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

PETER J. SCHOOMAKER
General, United States Army
Chief of Staff

OFFICIAL:

JOEL B. HUDSON
Administrative Assistant to the
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Insert latest changed pages; dispose of superseded pages in accordance with regulations.

NOTE: On a changed page, the portion of the text affected by the latest change is indicated by a vertical line, or other change symbol, in the outer margin of the page. Changes to illustrations are indicated by miniature pointing hands. Changes to wiring diagrams are indicated by shaded areas.

Dates of issue for original and changed pages are:

Original 24 May 2002 Change 1 16 October 2003

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 153, CONSISTING OF THE FOLLOWING:

Page No.	*Change No.
Cover	0
A–B	1
Title	0
1-1 through 1-4	1
1-5 through 1-24	0
2-1	0
2-2 and 2-3	1
2-4	0
2-5 and 2-6	1
2-7 and 2-8	0
2-9	1
2-10 through 2-13	0
2-14 blank	0
2-15 and 2-16	1
2-17	0
2-18 through 2-20	1
2-21	0
2-22 and 2-23	1
2-24 blank	0
2-25	0
2-26 and 2-27	1
2-28	0
2-29 through 2-32	1
2-33 through 2-35	0
2-36–2-37	1
2-38 blank	0
2-39 through 2-41	0
2-42 blank	0
2-43 through 2-46	1
2-47	0
2-48 through 2-50	1
2-51	0
2-52 blank	0
2-53 and 2-54	1
2-55	0
2-56	1
2-57	0
2-58 through 2-65	1
2-66 blank	0
2-67	0
2-68 and 2-69	1
2-70	0
2-71	1
2-72 blank	0
2-73	1
2-74 through 2-78	0
2-79 through 81	1
2-82 and 2-83	0

*Zero in this column indicates an original page.

Page No.	*Change No.
2-84 and 2-89	1
2-90	0
2-91 through 2-93	1
2-94	0
2-95 and 2-96	1
2-97 through 2-103	0
2-104 and 2-105	1
2-106 blank	0
2-107 and 2-108	1
2-109	0
2-110 and 2-111	1
2-112	0
2-113 through 2-115	1
2-116 blank	0
2-117 through 2-120	1
2-121	0
2-122 and 2-123	1
2-124 blank	0

*Zero in this column indicates an original page.

*TM 1-1520-251-PM

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 24 MAY 2002

PHASED MAINTENANCE INSPECTION CHECKLIST
FOR

ARMY
AH-64D HELICOPTER

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

WARNING

CERTAIN INSPECTIONS ARE MANDATORY SAFETY-OF-FLIGHT REQUIREMENTS, AND THE INSPECTION INTERVALS CANNOT BE EXCEEDED. IN THE EVENT THESE INSPECTIONS CANNOT BE ACCOMPLISHED AT THE SPECIFIED INTERVAL, THE AIRCRAFT CONDITION STATUS SYMBOL WILL BE IMMEDIATELY CHANGED TO A RED X. MANDATORY SAFETY-OF-FLIGHT INSPECTION ITEMS ARE PRINTED IN BOLD FACE TYPE.

NOTE

INSPECTION ITEMS CONTAINED IN THIS MANUAL ARE CONSIDERED THE MINIMUM REQUIREMENTS FOR PERFORMING PHASED MAINTENANCE AND MUST BE PERFORMED. THE CUMULATIVE EFFECTS OF INSPECTION DEFERRALS ARE UNKNOWN AND COULD RESULT IN CATASTROPHIC FAILURE OR INCREASED MAINTENANCE AT A LATER DATE. THEREFORE, THE USE OF SPECIAL LETTERING TO EMPHASIZE MANDATORY SAFETY-OF-FLIGHT INSPECTION ITEMS IS NOT TO BE CONSTRUED AS AUTHORITY FOR DEFERRAL OF OTHER INSPECTIONS.

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SECTION I. GENERAL INFORMATION

PHASED SCHEDULE. This phased maintenance inspection checklist contains requirements for inspection of the AH-64D helicopter on a phased schedule having a 1000-hour (flight hours) cycle with 250-hour phases. Each requirement included herein is designated for accomplishment at least once, but not more than four times during the 1000-hour cycle.

EXCEEDING THE PHASED SCHEDULE. The phased maintenance inspection intervals designated are the maximum and shall not be exceeded except in actual operational emergencies as explained herein. It is the Commander's responsibility to determine (on an individual aircraft basis) when inspection intervals may be exceeded. For this purpose, operational emergencies are conditions of combat, or conditions of disaster which necessitate flight to evacuate aircraft or personnel. Those inspections annotated by a **"C"** in the Inspect Phase Nos. column, along with the DA Form 2408-18 (Equipment Inspection List), are considered the MINIMUM mandatory combat maintenance inspection requirements for helicopters scheduled for imminent deployment to or stationed in a combat environment. Under no circumstances will two combat maintenance inspections be performed sequentially. When aircraft are operated beyond the normal inspection due time because of such emergency situations, a circled red X status symbol and an appropriate statement (to include authority) must be entered in block 16 and 17 of DA Form 2408-13-1 (Aircraft Inspection and Maintenance Record) until such time as the inspection is complete. When inspections are delayed to meet emergency requirements, Commanders will assure that the aircraft status symbol reverts to a red X and that delayed inspections are accomplished immediately upon termination of the emergency. When unusual local conditions (utilization, type of mission, personnel, periods of inactivity, environmental conditions, etc.) dictate, it is the prerogative and responsibility of the Maintenance Officer to increase the scope and/or frequency of maintenance or inspection as necessary to ensure safe operation (TM 1-1500-328-23).

MAINTENANCE ACTIVITIES. The inspections prescribed by this checklist will be accomplished at specified phases by Aviation Unit Maintenance (AVUM) activities with assistance of Aviation Intermediate Maintenance (AVIM) and Depot Maintenance activities when required. The inspection of the part/component is visual unless stated otherwise.

LIMITATIONS. The checklist does not contain instructions for repair, adjustment, or other means of rectifying conditions. Neither does it contain special tolerances, limits, or instructions for special troubleshooting to find causes for malfunctions. Such data will be obtained from the latest issue of the aircraft TM 1-1520-Longbow/Apache IETM.

CHANGEOVER TO THE PHASED MAINTENANCE SYSTEM. Changeover shall be accomplished in accordance with instructions provided in TB 55-1500-337-24 entitled, "Phased Maintenance System for Army Aircraft." The requirements of this TB must be accomplished prior to implementation of Phase 1 inspection requirements specified in this checklist.

PRE-INSPECTION MAINTENANCE TEST FLIGHT (MTF). A pre-inspection MTF to duplicate non-hazardous equipment problems, determine unsatisfactory conditions, determine equipment operation problems, etc., is recommended prior to start of aircraft disassembly for phased maintenance inspection. The decision to perform the pre-inspection MTF, however, shall be the responsibility of the unit Maintenance Officer.

SPECIAL INSPECTIONS, CALENDAR INSPECTIONS, AND LUBRICATION REQUIREMENTS. Special inspections, calendar inspections, and lubrication requirements contained in TM 1-1520-Longbow/Apache and those listed on the aircraft's DA Form 2408-18 shall be reviewed and accomplished in accordance with the "inspection due" requirements specified in those documents.

TIME BETWEEN OVERHAUL (TBO) AND RETIREMENT LIFE ITEMS CHECK. Prior to start of the applicable phased maintenance inspections and lubrication, a check will be made of components and their remaining operating hours prior to removal. The latest issue of the aircraft's TM 1-1520-Longbow/Apache and DA Form 2408-16 shall be referred to for a complete listing of components and their TBO and retirement life.

USING THE PHASED INSPECTION CHECKLIST.

a. A new checklist shall be used each time phased maintenance is due on the aircraft. This checklist is arranged such that it can be separated by area and distributed to the maintenance crew.

(1) Space is provided on each checklist form for entering the following data:

(a) The number of the maintenance inspection being performed.

(b) Aircraft serial number.

(c) Date of inspection.

(d) Total hours. (Block provided for local use.)

(2) For each inspection item a column is provided for entering the following data:

(a) Status of the aircraft as the result of the inspection requirement.

(b) Aircraft fault and/or remarks indicated by the inspection requirement.

(c) Action taken to correct the fault.

(d) Initials of person performing the corrective action.

b. This checklist is formatted to eliminate the requirements to use DA Form 2408-13-3 as temporary records during phased inspections. Figures 1 thru 3 show examples of methods used to make entries on the phased maintenance checklist forms and the use of supplemental sheets for continuation purposes. This checklist pertains to all AH-64D helicopters and may, therefore, contain inspection requirements applicable to specific equipment not installed on individual aircraft. When this situation is encountered, those requirements that are not applicable need not be performed.

c. A supplemental Checklist Sheet form (DA Form 4676-R) (figure 3, Sheet 2) provided at the end of Section I of this checklist is to be used for local reproduction. Copies of this form will be used to write up faults, remarks, and corrective actions when additional space is required. These supplemental sheets will be used instead of DA Form 2408-13-3 in the accomplishment of the phased maintenance inspections.

d. Faults and remarks on the DA Form 2408-13-1 and DA Form 2408-14 may be transcribed to this checklist at the discretion of the unit Maintenance Officer.

PHASE NUMBERS. In the column headed "Inspect Phase Nos." and adjacent to the sequence number of each inspection requirement, there will appear the word "ALL" or a series of numbers. The word "ALL" indicates that inspection requirement shall be accomplished at each phase (or at every 250-hour interval) of the 1000-hour cycle. The numbers represent the phase number at which that inspection requirement is to be accomplished. For example, if the numbers 2 and 4 are shown, that inspection requirement is to be accomplished at phases 2 and 4 only (or at 500-hour interval). If only one number is indicated, then that inspection requirement is accomplished at that phase (or at every 1000-hour interval). At the completion of phase 4, the cycle starts over again with Phase 1.

STATUS SYMBOLS. All faults and deficiencies discovered during the inspection will be recorded on DA Form 2408-13-1/2408-13-1-E. The status symbols used are the same as those defined in DA PAM 738-751. The status symbol shall be entered by the person(s) performing the inspection and is determined by the type of fault that is found. Do not enter a horizontal dash (-) on the checksheet merely to show a particular inspection requirement is due. If an inspection reveals no fault, a status symbol will not be entered. The person clearing the fault shall place his last name initial over the status symbol. A red X or a circled red X symbol will not be initialed over until after the corrective action has been approved and signed off by a Technical Inspector or designated supervisor.

FAULTS AND/OR REMARKS. Fault entries in the Faults and/or Remarks column shall be brief remarks which describe the conditions resulting from the inspection and which require corrective action. The initials of the person making the entry will be entered immediately after the entry. If no fault is found, this column will be left blank.

ACTION TAKEN.

a. Entries in the Action Taken column shall be brief remarks which describe the action taken to correct the fault described in the adjacent Faults and/or Remarks column. When faults are assigned a red X status, the corrective action shall be inspected and signed off by the Technical Inspector or designated supervisor.

b. If no fault was found, an appropriate remark shall be entered in this column to indicate that the inspection was accomplished, e. g., “Inspected and found OK.” If an inspection item is not applicable to the particular inspection phase number in work or to specific equipment installed on an individual aircraft, a “N/A” entry is required. The initials of the person making the entry shall be entered in the Initial column.

INITIAL. The person correcting the indicated fault shall enter his initials in the initial column opposite the first line of the Action Taken entry.

FINAL RECORDS CHECK. After all corrective actions have been completed and following completion of the phased inspection, the Technical Inspector or designated supervisor shall verify that all applicable forms and records have been properly updated. All uncorrected faults shall be entered on DA Form 2408-13-1, prepared for that date or to the DA Form 2408-14. A Final Records Checklist (table I) is provided to ensure forms and records have been inspected for completeness and accuracy prior to release of the aircraft from the phased maintenance inspection. The inspector verifying the final records check shall enter his initials adjacent to the indicated form on the Final Records Checklist. The initials entered shall be registered on the Signature Sheet (table II) adjacent to that person’s signature. Once the final records check is complete, provide electronic or hard copies of 2408-16 and 2408-16-1 to: TAMMS-A@redstone.army.mil or Commander, U.S. Army Aviation and Missile Command, ATTN: AMASM-MMC-MA-NC, Redstone Arsenal, AL, 35898-5230.

SIGNATURE SHEET. All personnel performing inspection and/or maintenance tasks shall place their signatures and initials on the signature sheet (table II). The purpose of the signature sheet is to provide a correlation between initials entered on the individual checklist sheets and the actual names of the personnel accomplishing these tasks.

MAINTENANCE OPERATIONAL CHECKS. After the completion of any required corrective actions to any of the components of a functional system of the aircraft, maintenance operational checks (MOC) shall be performed on that system to determine the effectiveness of the maintenance actions performed and to verify the proper operation of that system. These MOC shall be performed in accordance with TM 1-1500-328-23. Copies of supplemental sheets (DA Form 4676-R) may be used to record and sign off the Maintenance Operational Checks performed.

MAINTENANCE TEST FLIGHT. When all required inspections in Section II have been accomplished and initialed in accordance with the above procedure, a daily inspection in accordance with the TM specified in Section II will be performed on the aircraft to permit performance of a maintenance test flight (MTF). The MTF shall be performed in accordance with the requirements of TM 1-1520-Longbow/Apache and TM 1-1500-328-23 using the MTF form in the MTF technical manual. A suggested maintenance test flight checksheet (figure 4) and a rotor smoothing record (figure 5) are provided at the end of Section I.

CHECKLIST DISPOSITION. The completion of each phased maintenance inspection shall be recorded on DA Form 2408-13-1 and 2408-15 as prescribed by DA PAM 738-751. The signed checklist, together with all continuation sheets, shall be attached to DA Form 2408-13-1 and filed for the six months period as required by DA PAM 738-751. At the end of the six months period, records will be destroyed per disposition instruction for DA Form 2408-13-1/2408-13-1-E in paragraph 2-9.D.(2) of DA Pamphlet 738-751.

INSPECTION AREAS. Figure 6 reflects the inspection areas of the AH-64D helicopter. Those areas are titled as shown. Figure 7 shows the location of access doors and panels which require removal at various phased maintenance inspections.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS. You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), located in the back of this manual direct to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP, Redstone Arsenal, AL, 35898-5000. A reply will be furnished to you. You may also provide DA Form 2028 information to AMCOM via e-mail, fax, or the World Wide Web. Our fax number is: DSN 788-6546 or Commercial 256-842-6546. Our e-mail address is: 2028@redstone.army.mil. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028. For the World Wide Web use: https://amcom2028.redstone.army.mil.

PHASE NO. 1 **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
LEFT FORWARD AVIONICS BAY AND MLG	77-23259	4 APR 81	510

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. **MLG wheel for cracks, distortion, or corrosion. Hub for grease leakage. Tire for**			Insp - OK	WCB
ALL C	2. **MLG wheel brake for fluid leakage, cracked housing or corrosion. Check brake pucks for wear.**	~~B~~	corrosion on bottom of brake housing WCB	Cleaned off	WCB
		~~B~~	Leakage from housing inlet connection WCB (continued on Supplemental Sheet)	Inlet fitting tightened	WCB
2,4	3. Search light for corrosion, loose or missing fasteners, and security. Lens for cracks or evidence of overheating. Wiring for loose connections. Chafing, deterioration, and security.			N/A	WCB

INDICATES COMBAT SITUATION INSPECTION

THIS ITEM NOT APPLICABLE TO PHASE NO. 1

HEAVY LINES ADDED TO SEPARATE FAULTS WITHIN A BLOCK

EXAMPLE

Entries shown above are fictitious and are intended only to illustrate usage of form.

Figure 1. Example of Phased Maintenance Checklist Title Sheet

PHASE NO. 2	Area Name and No. MAIN TRANSMISSION - 9	Aircraft Serial No. 77-23259	Date 4 APR 81

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	5. Breathers cleaned. Access L200, R200			Insp - OK	WCB
ALL	6. Lube oil and filters changed. Access L200, R200			Insp - OK	WCB GDL
ALL	7. Lube oil level sight gages for cleanliness, leakage, and security. Clean lenses. Access L200, R200	B	Sight gage Loose WCB	Tightened	WCB
2,4	8. Input shafts and couplings for cracks, dents, distortion, and corrosion. Access L200, R200, LN6, RN6	B	No. 2 shaft input Coupling diaphram cracked WCB	Coupling replaced Insp - OK Harold S. Smith	WCB HSS
	Uncorrected Fault/ Discrepancy from DA form 2408-13 INSPECTION ITEM ADDED TO AVAILABLE SPACE ON A CHECKLIST PAGE.	B	(6 Mar 81) Defective Chip detector wiring	Rewired	RCJ RMP

EXAMPLE

TWO PEOPLE PERFORMED THIS INSPECTION. BOTH HAVE INITIALED.

NOTE THAT THE SAME PERSON (WCB) DISCOVERED AND CORRECTED THE FAULT.

QA INITIALS ON LAST LINE.

QA SIGN OFF

A DIFFERENT PERSON CORRECTED THIS FAULT.

Entries shown above are fictitious and are intended only to illustrate usage of form.

Figure 2. Example of Phased Maintenance Checklist Continuation Sheet

PHASED MAINTENANCE CHECKLIST *(SUPPLEMENTAL SHEET)*

For use of this form, see TM 55-1510 series and TM 55-1520 series, the proponent agency is the US Army Materiel Development and Readiness Command.

DATE: 4 APR 81

PHASE NO.	AREA NAME AND NUMBER	AIRCRAFT SERIAL NO.	TOTAL HOURS THIS AREA
1	LEFT FWD AVIONICS BAY AND MLG -3	77-23259	

INSPECT AREA NO.	INSPECT ITEM NO	INSPECTION REQUIREMENTS	STATUS	FAULTS AND/OR REMARKS	ACTION TAKEN	INITIAL
3	9	(continued)	~~B~~	Brake puck worn, unserviceable WCB	Replaced	WCB

A SUPPLEMENTAL SHEET IS USED WHEN SPACE IS NOT AVAILABLE ON CHECKLIST PAGE FOR ALL FAULTS OR CORRECTIVE ACTION.

EXAMPLE

"FOD REMINDER"

Check work area for tools and parts after completion of maintenance and Inspection.

DA Form 4676-R
1 Dec 77

Figure 3. Example of Checklist Supplemental Sheet (Sheet 1 of 2)

PHASED MAINTENANCE CHECKLIST *(SUPPLEMENTAL SHEET)* For use of this form, see TM 55-1510 series and TM 55-1520 series, the proponent agency is the US Army Materiel Development and Readiness Command.			DATE
PHASE NO.	AREA NAME AND NUMBER	AIRCRAFT SERIAL NO.	TOTAL HOURS THIS AREA

INSPECT AREA NO.	INSPECT ITEM NO	INSPECTION REQUIREMENTS	STATUS	FAULTS AND/OR REMARKS	ACTION TAKEN	INITIAL

"FOD REMINDER"

Check work area for tools and parts after completion of maintenance and Inspection.

DA Form 4676-R
1 Dec 77

Figure 3. Example of Checklist Supplemental Sheet (Sheet 2 of 2)

A/C NO	PURPOSE OF TEST FLIGHT			DATE
PILOT AND UNIT				TIME
GROSS WEIGHT	C.G.	FAT °C	PRESS ALT	DENSITY ALT

SYMBOLS: ✓ = SATISFACTORY × = UNSATISFACTORY

	PRIOR TO MTF CHECKS	STARTING ENGINES - PILOT	
	INTERIOR CHECK-CPG		1. ENG 1 START
	INTERIOR CHECK-PILOT		a. TIME TO IDLE SEC
BEFORE STARTING APU-PILOT/CPG			b. IDLE SPEED % N_G
	1. ICS SYSTEM		c. OIL PRESSURE PSI
	2. FIRE DETECTORS		d. TGT °C
STARTING APU-PILOT			2. ENG 2 START
	APU START		a. TIME TO IDLE SEC
			b. IDLE SPEED % N_G
AFTER STARTING APU			c. OIL PRESSURE PSI
	1. EXT & INTR LIGHT		d. TGT °C
	2. ECS SYSTEM		
	3. EGI		3. N_P AND N_R 100% 101%
	4. BORESIGHT NUMBERS		
	5. IHADSS		
	6. TADS SYSTEM CHECKS	ENGINES RUNUP - PILOT	
	7. PNVS SYSTEM CHECKS		1. 1 "G" SPRING
	8. FCR CHECKS L		TORQUE % %
	9 WEAPONS SYSTEMS		2. ENGINE CHOP CIRCUIT
	10. FLIGHT CONTROLS CHECKS		
	a. CONTROL SWEEP		3. ENGINE OVERSPEED TEST
	b. STABILATOR		a. ENG 1
	(1). MANUAL		b. ENG 2
	(2). AUTO		
	c. BUCS CHECKS B		4. DEC/ECU LOCKOUT
	11. ANTI-ICE		a. ENG 1
	a. PITOT HEAT		b. ENG 2
	b. CANOPY DEFOG		
	12. POWER LEVERS		5. FUEL SYSTEM
	13. ENG REINST/REPL CHECKS		

Figure 4. Example of Maintenance Test Flight Checksheet (Sheet 1 of 3)

BEFORE TAXI CHECK			5. ATTITUDE HOLD
	1. SYS PAGE 1 2		6. MANEUVERING FLIGHT
	a. ENG OIL PRES		7. STABILATOR SYSTEM
	b. NGB PRES		8. V_H CHECK
	c. NGB TEMP		
	d. XMSN PRES	ENGINE PERFORMANCE 701 701C	
	e. XMSN TEMP		9. MAX POWER CHECK
	2. ENG PAGE 1 2		a. P. A. FT b. FAT °C
	a. TORQUE		ENG 1 2
	b. TGT		c. TGT °C °C
	c. N_P		d. TORQUE % %
	d. N_R		e. N_G % %
	e. N_G		f. OIL PRESS PSI PSI
	3. HIT CHECK		g. KTAS
			10. TGT LIM/CONTGCY PWR CK
TAXI CHECK			a. TORQUE % %
	1. WHEEL BRAKES		b. TGT °C °C
	2. INSTRUMENT & SYMBOLOGY		
		MISSION EQUIPT CHECKS	
HOVER CHECKS			11. NAV COM EQUIPT CKS
	1. INITIAL HOVER CHECK		a, ADF
	2. NAV SYSTEMS CHECKS		b. NAV
	3. HOVER MANEUVERING CHECK		c. XPNDR
	4. FMC CHECK		d. COMM
	5. VISIONIC SYSTEM CHECK		12. PNVS SYSTEMS CHECKS
	6. HOVER BOX DRIFT		13. TADS SYSTEM CHECKS
			14. FCR / BPS
FLIGHT CHECKS			15. WEAPON SYSTEM CHECKS
	1. TAKEOFF		BEFORE LANDING
	2. CRUISE		AFTER LANDING
	3. FUEL CONSUMPTION CHECK	ENGINE SHUTDOWN	
	START STOP		1. PILOT
	LBS PER HOUR		2. CPG
	4. AUTOROTATION		3 EMERGENCY HYDRAULICS
	a. PRESS ALT FT		4. UTIL ACC PRESS PSI
	b. FAT °C		
	c. N_R %	BEFORE LEAVING HELICOPTER	
	d. FUEL LB		

Figure 4. Example of Maintenance Test Flight Checksheet (Sheet 2 of 3)

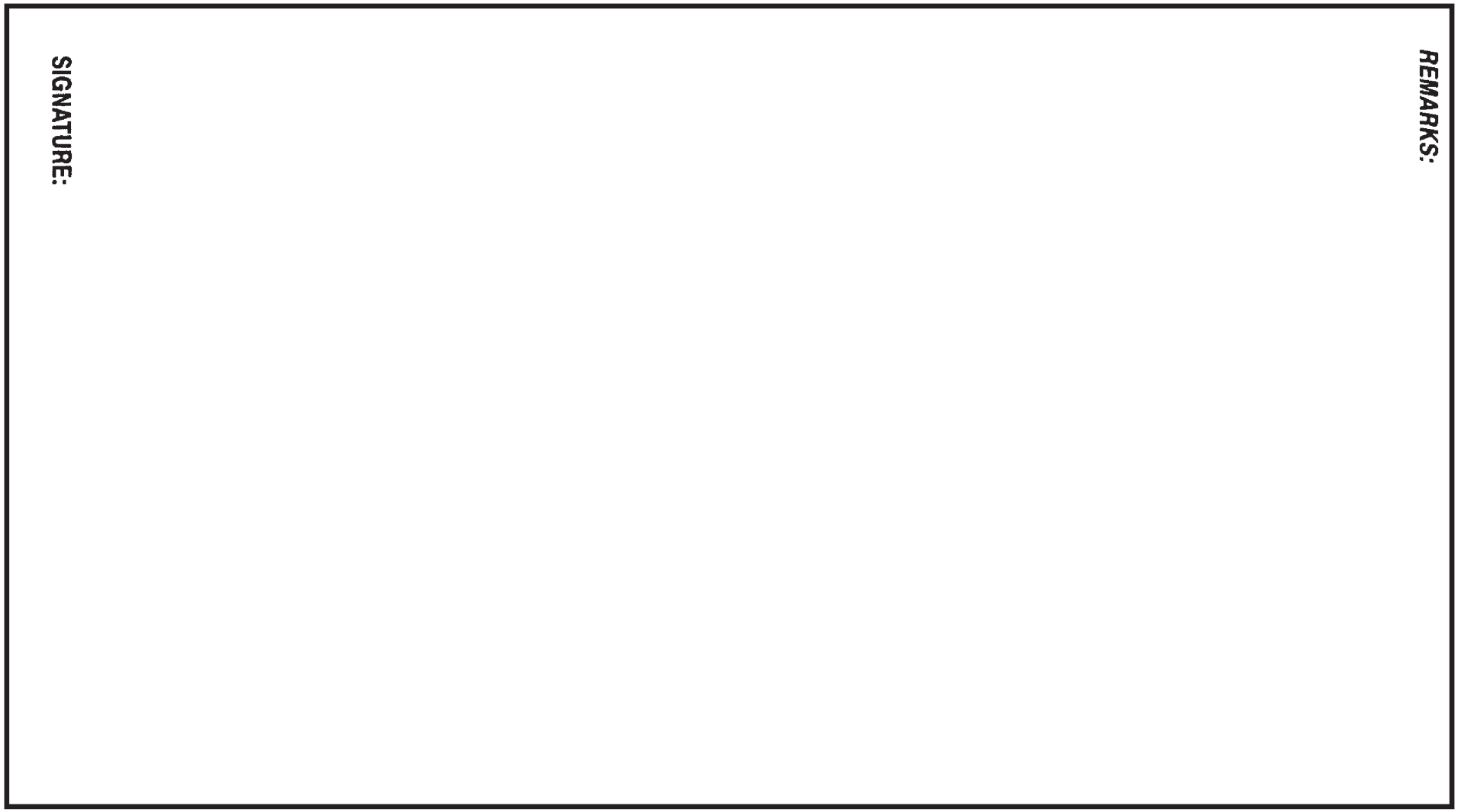


Figure 4. Example of Maintenance Test Flight Checksheet (Sheet 3 of 3)

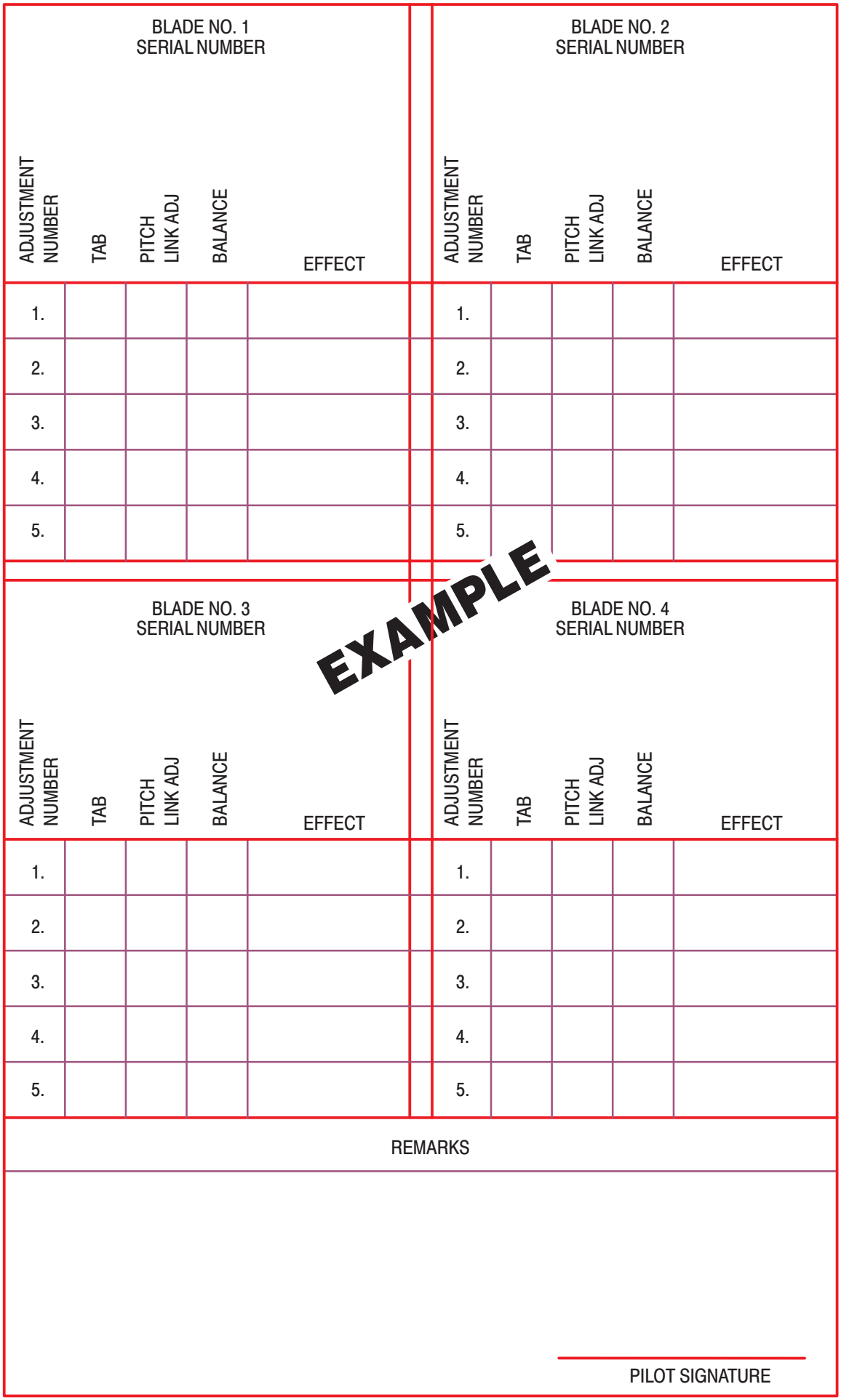
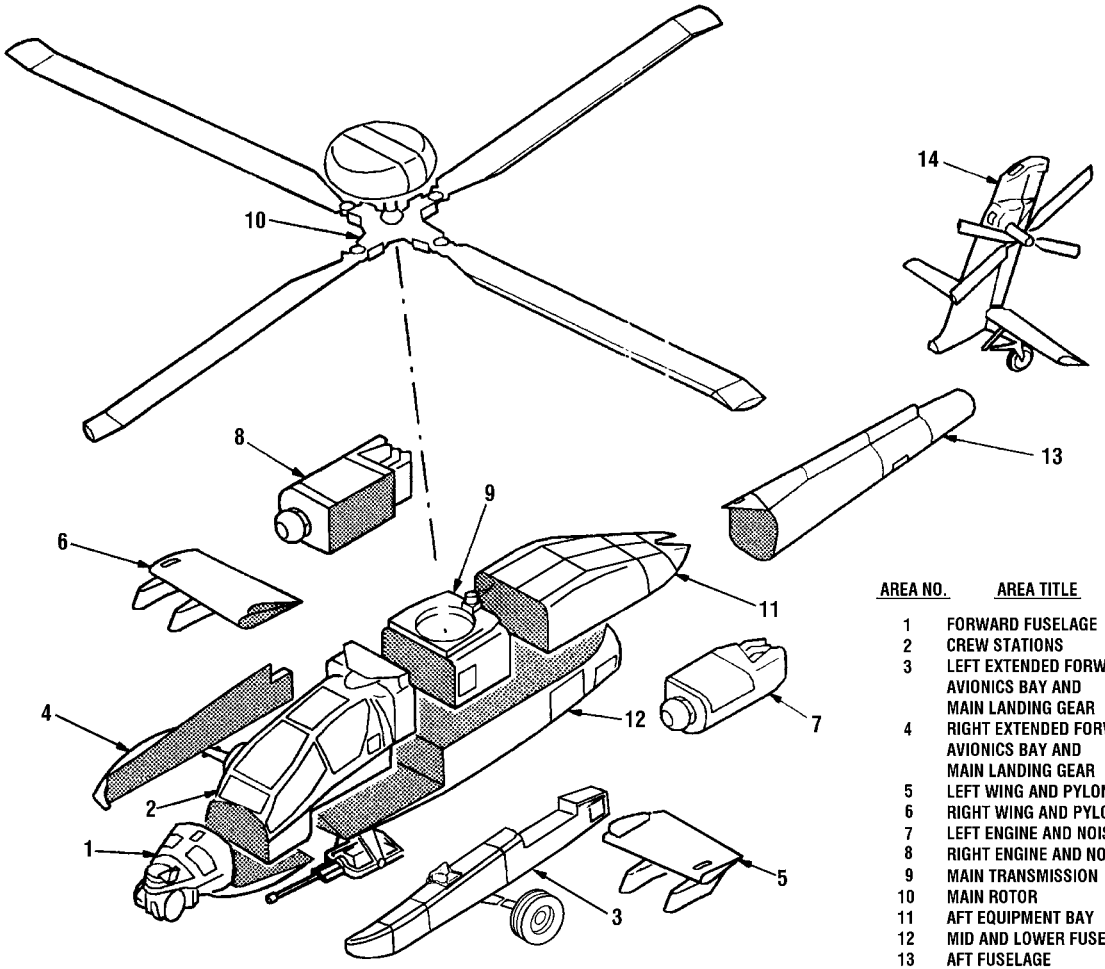


Figure 5. Example of Rotor Smoothing Record



AREA NO.	AREA TITLE
1	FORWARD FUSELAGE
2	CREW STATIONS
3	LEFT EXTENDED FORWARD AVIONICS BAY AND MAIN LANDING GEAR
4	RIGHT EXTENDED FORWARD AVIONICS BAY AND MAIN LANDING GEAR
5	LEFT WING AND PYLONS
6	RIGHT WING AND PYLONS
7	LEFT ENGINE AND NOISE GEARBOX
8	RIGHT ENGINE AND NOSE GEARBOX
9	MAIN TRANSMISSION
10	MAIN ROTOR
11	AFT EQUIPMENT BAY
12	MID AND LOWER FUSELAGE
13	AFT FUSELAGE
14	EMPENNAGE TAIL ROTOR AND TAIL LANDING GEAR

Figure 6. Inspection Area Diagram

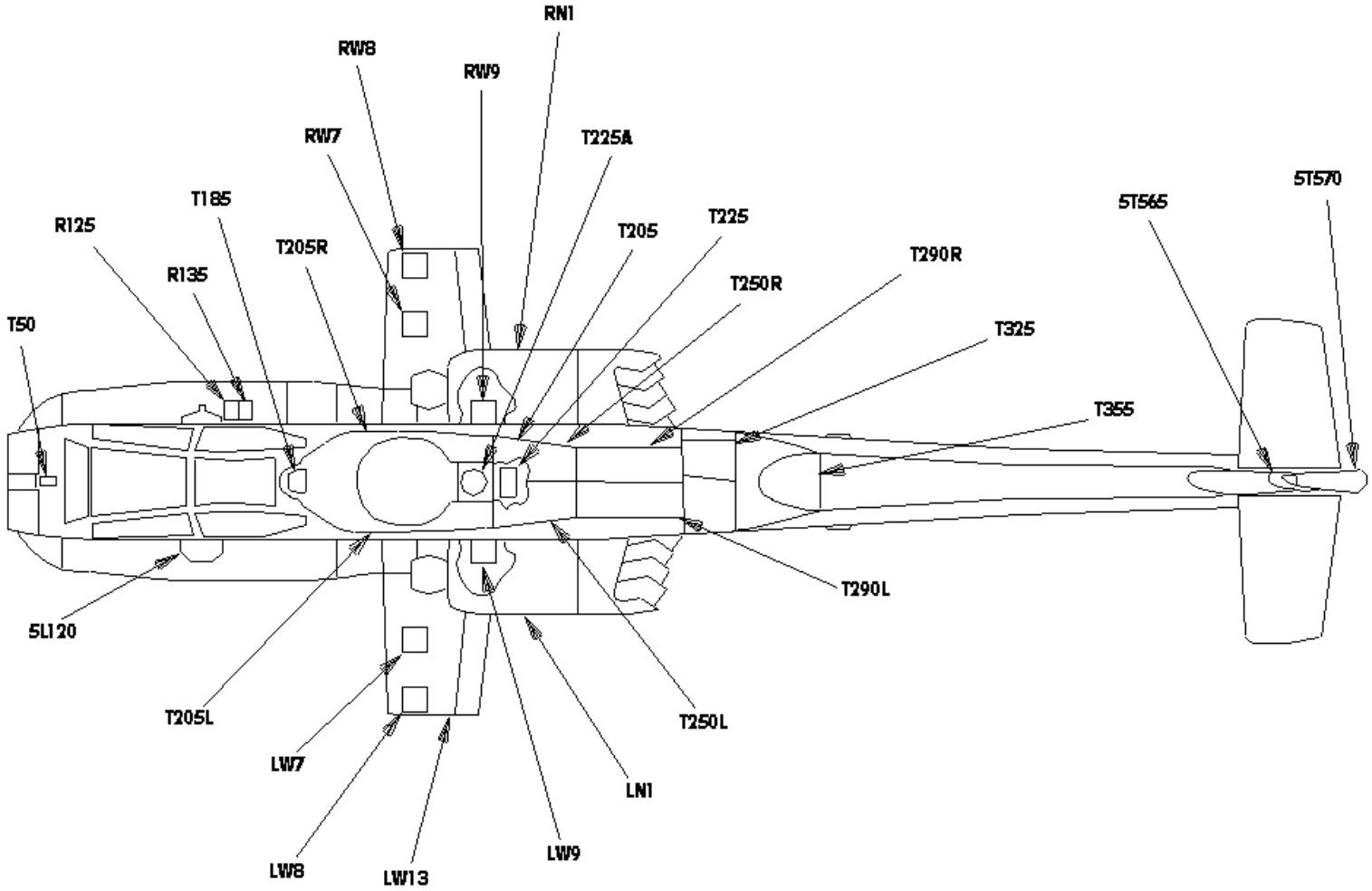


Figure 7. Inspection Access Provisions (Sheet 1 of 8)

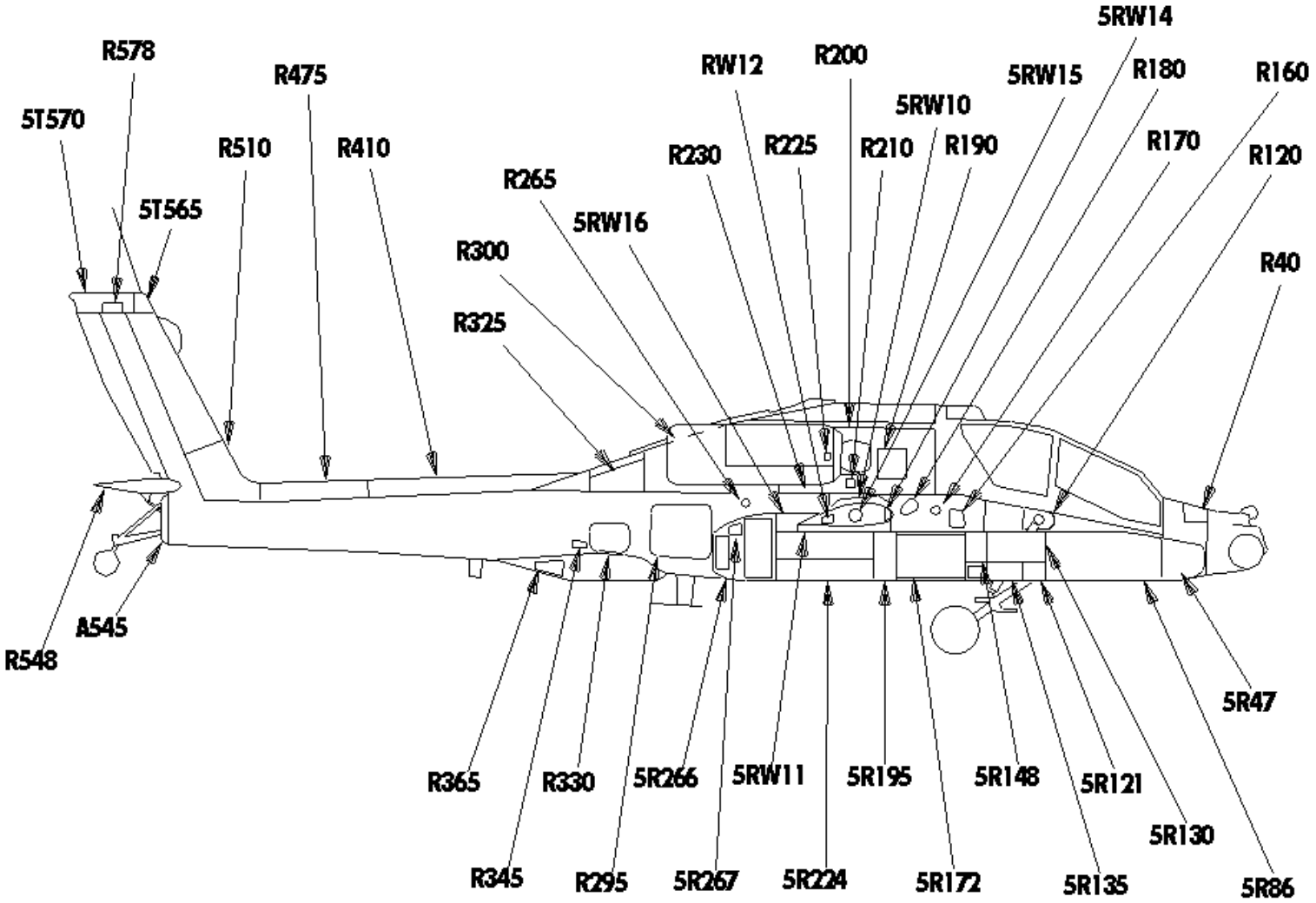


Figure 7. Inspection Access Provisions (Sheet 2 of 8)

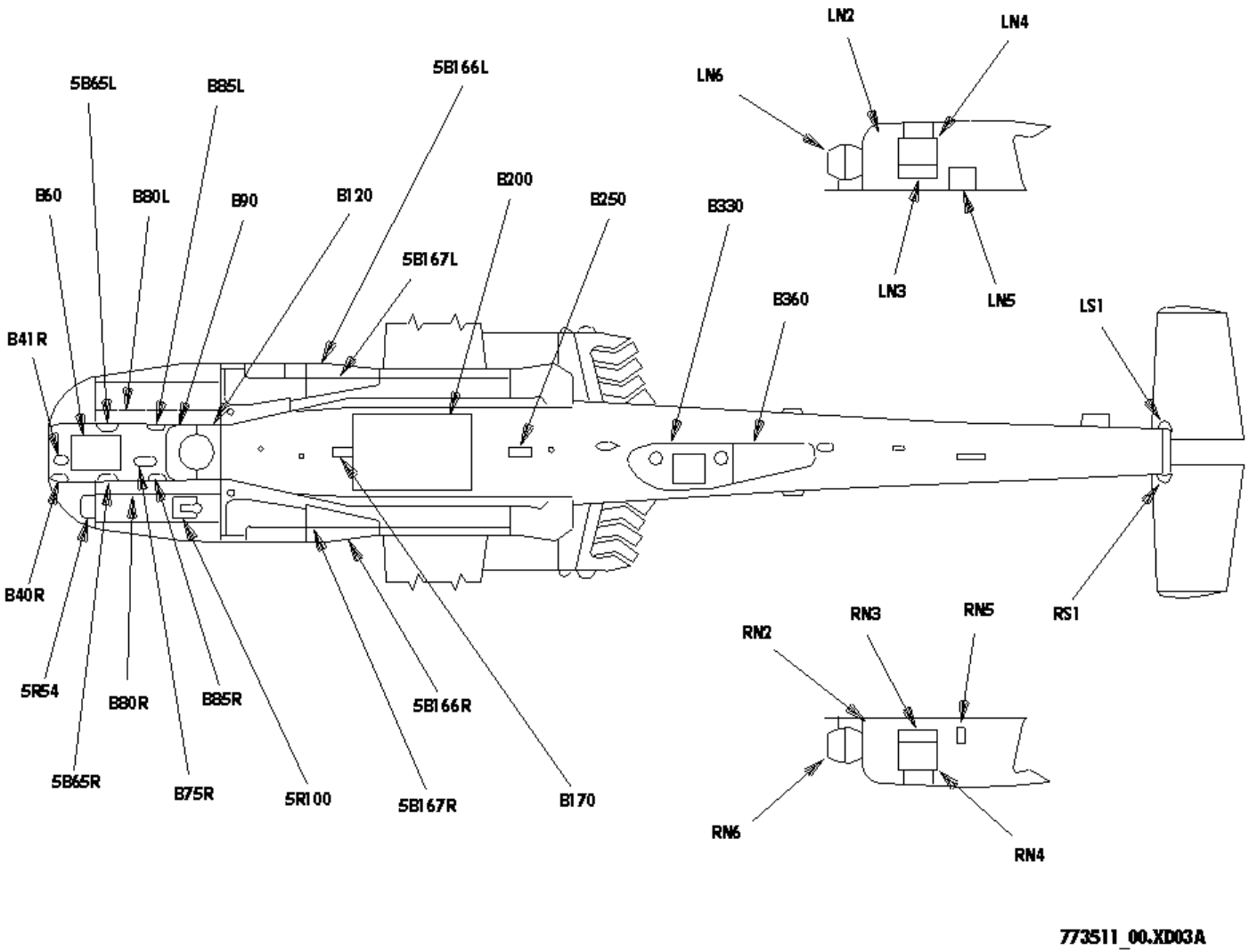


Figure 7. Inspection Access Provisions (Sheet 3 of 8)

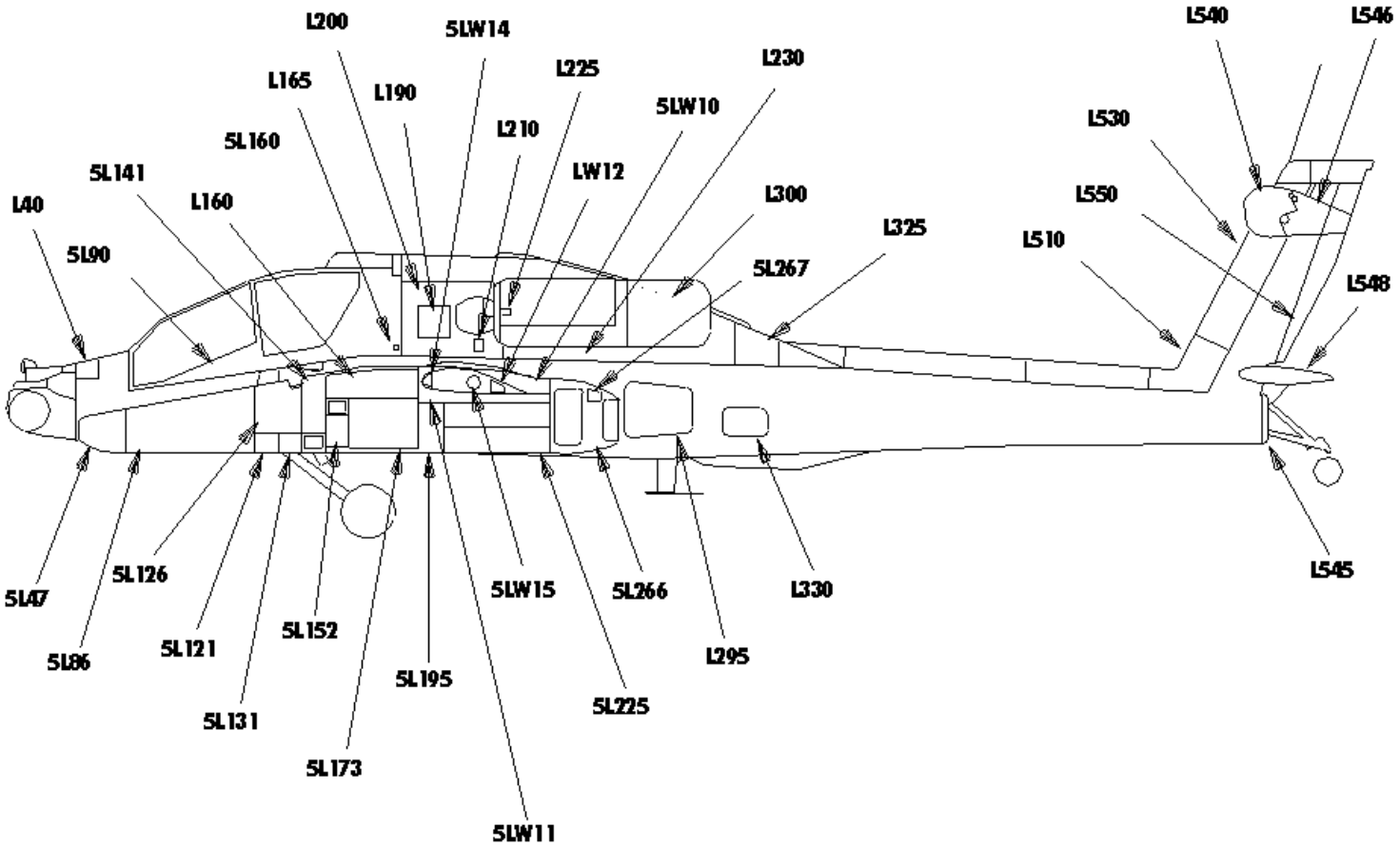


Figure 7. Inspection Access Provisions (Sheet 4 of 8)

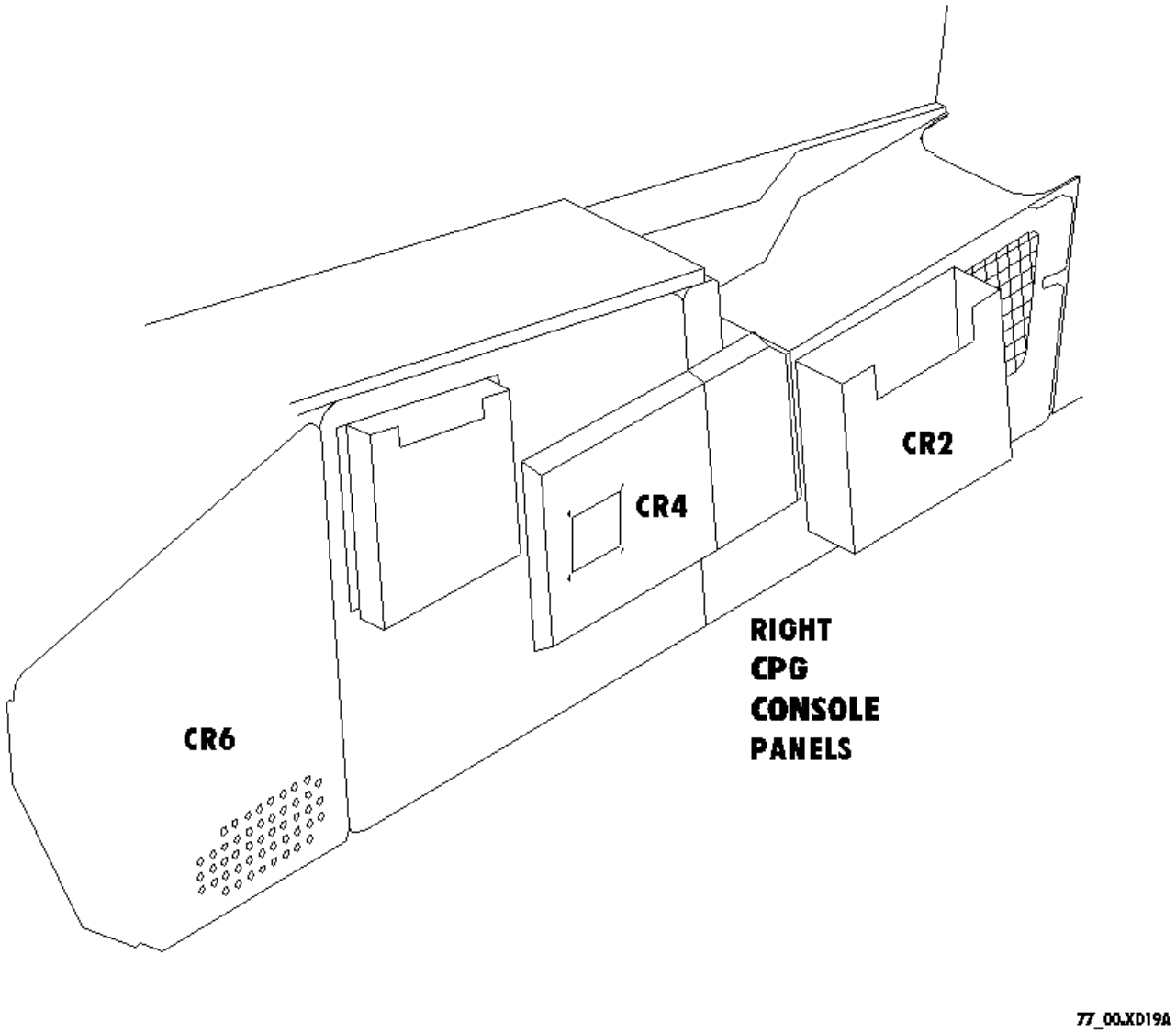


Figure 7. Inspection Access Provisions (Sheet 5 of 8)

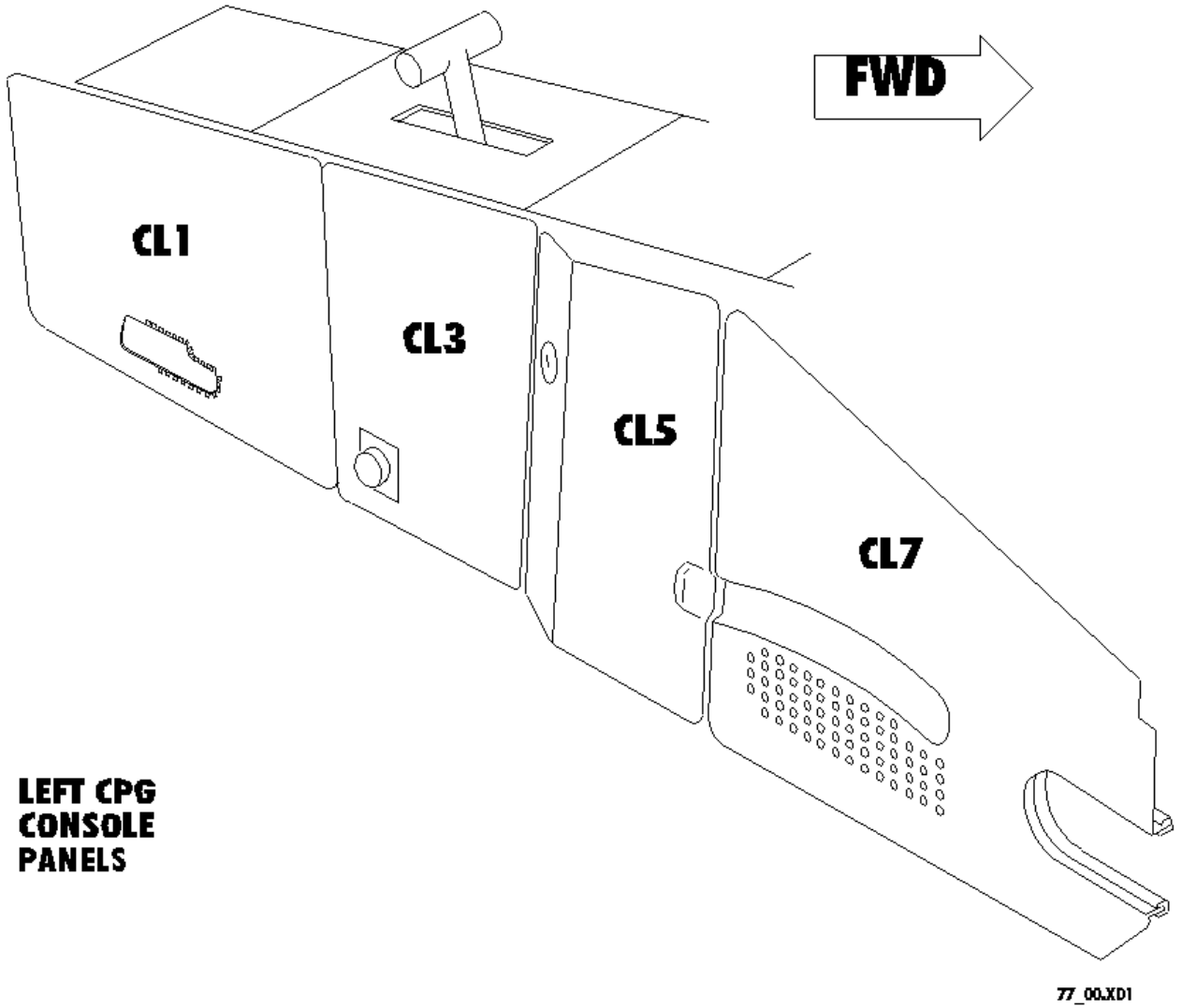


Figure 7. Inspection Access Provisions (Sheet 6 of 8)

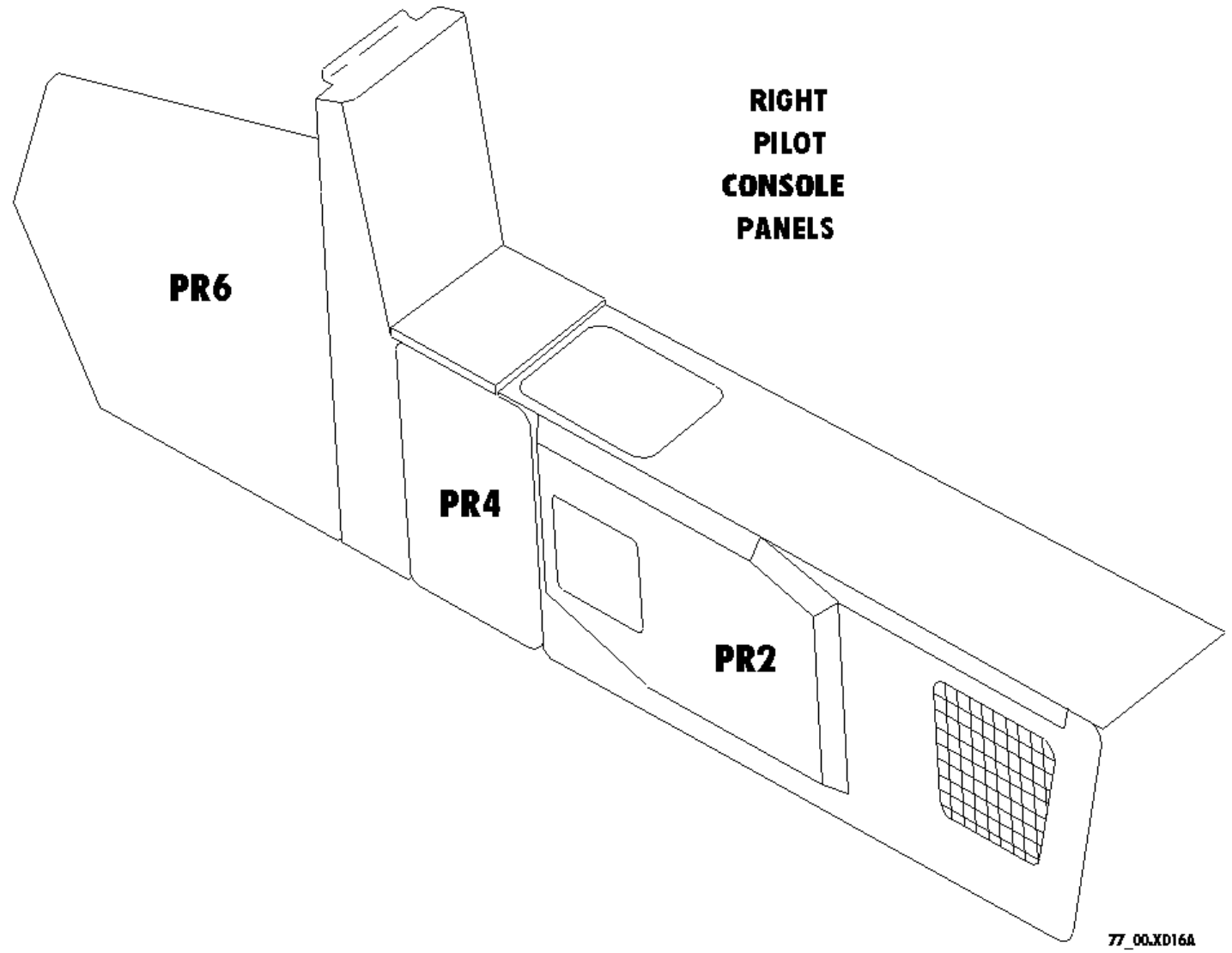


Figure 7. Inspection Access Provisions (Sheet 7 of 8)

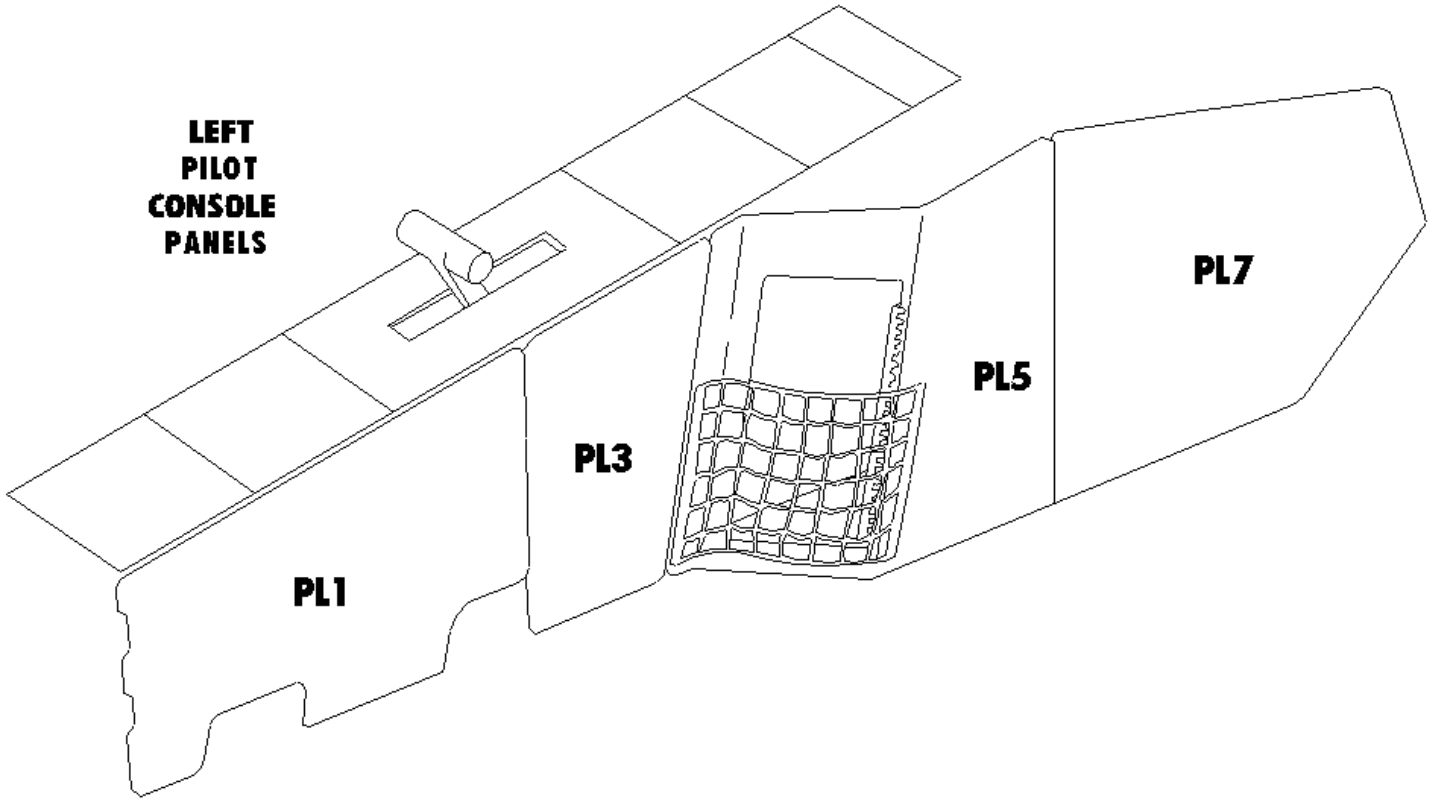


Figure 7. Inspection Access Provisions (Sheet 8 of 8)

Table I. Final Records Checklist

This checklist is provided to ensure that the indicated forms and records have been inspected for presence, completeness, legibility and accuracy prior to releasing the aircraft from a phased inspection. Verification of inspection will be indicated by placing the initials of the inspector in the appropriate initial block.

AIRCRAFT LOG BOOK	INITIAL	HISTORICAL RECORDS	INITIAL
DA FORM 2408		DA FORM 2408-5	
DA FORM 2408-12			
DA FORM 2408-13-1			
DA FORM 2408-14		DA FORM 2408-9	
DA FORM 2408-18		DA FORM 2408-15	
TM 1-1520-LONGBOW/APACHE		DA FORM 2408-16	
		DA FORM 2408-17	
TM 1-1520-251-MTF		DA FORM 2408-19	
LOCALLY REQUIRED FORMS		LOCALLY REQUIRED FORMS	

PRODUCTION CONTROL RECORDS	INITIAL	QUALITY CONTROL	INITIAL
FLOW CHART		TBO FILE	
STATUS BOARD		QA FILE	
WORK ORDER FILE		SERIAL NUMBER FILE	
MWO FILE		AOAP FILE	
CONFIGURATION CHART		INVENTORY RECORDS	
2405 LOG		WEIGHT AND BALANCE	
1352 REPORTS		MSG FILE	
LOCAL RECORDS		DA FORM 2410 SUBMITTED	
		LOCAL RECORDS	

Table II. Signature Sheet

Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
	Initial
	Initial
Signature of Maintenance Supervisor	Initial
Signature of Technical Inspector	Initial
Signature of Maintenance Officer	Initial

Table III. Signature Sheet

Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
Signature of Person Accomplishing Necessary Work	Initial
	Initial
	Initial
Signature of Maintenance Supervisor	Initial
Signature of Technical Inspector	Initial
Signature of Maintenance Officer	Initial

SECTION II. INSPECTION CHECKLIST

WARNING

ACCIDENTAL ACTUATION OF HELICOPTER POWER PLANT, HYDRAULIC SYSTEM, CANOPY JETTISON SYSTEM, OR FIRING OF ARMAMENT OR STORES JETTISON BALLISTICS MAY CAUSE SEVERE INJURY OR DEATH. BEFORE STARTING INSPECTION, HELICOPTER SAFETY CHECK MUST BE PERFORMED (TM 1-1520-LONGBOW/APACHE) AND ALL ARMAMENT MUST BE SAFETIED, DEACTIVATED, AND CLEARED (TM 9-1090-208-23 AND TM 9-1427-475-23).

NOTE

Prior to the start of the phased maintenance inspection, it is recommended that a pre-inspection Maintenance Test Flight (MTF) be conducted. Accomplishment of the MTF shall be determined by the unit maintenance officer. The pre-inspection MTF should be conducted by a maintenance test pilot following a review of the aircraft forms and records and a briefing from the crew of the helicopter. The MTF is recommended to assess the helicopter performance and identify deficiencies that should be corrected while the helicopter is undergoing phased maintenance inspections.

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No. GENERAL		Aircraft Serial No.		Date	Total Hrs. This Area	
Inspect Phase Nos.	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**		**Initial**
ALL **C**	1. Prior to inspection, check forms and records for record deficiencies.					
ALL	1a. Clean engines.					
	2. Deleted.					
	3. Deleted.					
ALL **C**	4. Take oil samples (nose gearboxes, main transmission, and APU) within 30 minutes of engine shutdown.					
ALL **C**	5. Fuel tanks will be fully serviiced prior to start of phased inspection. If maintenance is to be accomplished which requires defueling, this item may be deferred until after such maintenance is completed.					
ALL	6. Depanel aircraft.					

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No. GENERAL		Aircraft Serial No.		Date	Total Hrs. This Area	
Inspect Phase Nos.	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**		**Initial**
ALL	7. Remove gun turret.					
ALL	8. Remove ammo magazine.					
ALL	9. Wash aircraft.					
ALL	10. Remove main rotor blades.					
	11. Deleted.					
ALL	12. Remove pilot seat.					
ALL	13. Remove CPG seat.					
ALL	14. Remove pylon ejector cartridges and stow IAW unit SOP.					

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ PHASED MAINTENANCE CHECKLIST

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. **(WARNING Do not attempt to move jettison handle).** Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing attaching hardware.				
ALL	2. Access panels, fairings, and doors for deformations, cracks, corrosion, loose or missing hardware. Door and hinges for damage, binding, and security. Latches for security and proper operation. Check for worn or deteriorated seals and copper coat.				
ALL	3. Interior components for mounting security and loose or missing hardware.				
ALL	4. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	5. Avionics Equipment for proper storage, external damage, and loose connectors. Wiring harness for chafing and deterioration.				
ALL	6. CPG brake master cylinders for leakage, cracks, and loose or missing hardware. None allowed, if found replace with undamaged like item. Hydraulic lines for leakage, chafing and connection security.				
ALL C	7. Flight control rods for dents, cracks, corrosion, security and evidence of interference. Rod ends for worn or seized bearings.				
ALL C	8. Flight control bellcranks for cracks, corrosion, security and evidence of interference. Check pivot bearings for wear.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	9. CPG Decoupler (ARDD) units for cracks, corrosion, security, and evidence of interference. Check for looseness and lost motion.				
ALL **C**	10. LVDT(S) for cracks, corrosion, and mounting security. Wiring harnesses for loose connections, chafing, or deterioration and evidence of interference.				
ALL **C**	11. Exterior canopy jettison components for cut or broken transfer tube, bulged, chafed or swollen union, loose or missing hardware and safety wire torn or missing streamer.				
ALL	12. Canopy emergency release drain hose and outlet for breaks.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Aircraft interface assembly and fairings for cracks, distortion, missing fastners and damage.				
ALL	2. Aircraft Interface Assembly wiring harnesses for chafed or broken wires and loose, bent, burned or broken pins or sockets.				
ALL	3. Glass gaskets on both dayside and nightside sensor assemblies for damage.				
ALL	4. AIA bonding strap assembly for loose, damaged and frayed wires. Check bonding strap assembly mounting hardware for security and damage.				
ALL	5. Area around lower support laser shield for cracked or peeling paint.				
ALL	6. Boresight assembly optics for contamination.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspection.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	7. Area around boresight assembly for cracked, broken, or peeling paint.				
ALL	8. ECA for external damage.				
ALL	9. Remove and replace ECS air filter assembly.				
ALL	10. ECS molded hose for cracks, cuts, deterioration, and loose fit.				
ALL	11. Check external surfaces of night sensor shroud for dents, cracks, punctures, and window for cracks or chips.				
ALL	12. Remove night sensor shroud assembly. Inspect inner surface of window for contamination, pitting, nicks and scratches.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspection.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	13. Internal painted surfaces for scratched, chipped, or peeled paint. Check for any damage to components. Relate scratches and chips to possible points of contacts.				
ALL	14. NSA harnesses for chafed or broken wires and loose or corroded connections. Anti-ice CCA A1 and connector P1 for loose mounting hardware. Window temperature sensor RT1 and thermostat S2 for bonding separation.				
ALL	15. NSA optics for contamination, pitting, nicks, scratches and peeling of coating.				
ALL	16. External surfaces of day shroud for dents, cracks or punctures and window for chips or cracks.				
ALL	17. Remove day sensor shroud assembly. Inspect innner surfaces of window for contamination, pitting, nicks, scratches and peeling of coating.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspection.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	18. Internal painted surfaces for scratched, chipped, or peeled paint. Check for any damage to components. Relate scratches and chips to possible points of contact.				
ALL	19. Harnesses for chafed or broken wires and loose or corroded connections. Anti-ice CCA A1 and connector P1 for loose mounting hardware. Window temperature sensor RT1 and thermostat S1 for bonding separation.				
ALL	20. DSA optics for contamination, nicks, scratches, and peeling of optical coating.				
ALL	21. PNVS shroud assembly external surfaces for dents, cracks, chips, punctures, scratches, peeled paint, and window for chips or cracks.				
ALL	22. Remove PNVS shroud. Inner surface of window for contamination, pitting, nicks, scratches, chips, and peeled paint.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspection.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	23. Internal painted surfaces for scratched, chipped, or peeled paint. Check for any damage to components. Relate scratches and chips to possible points of contact.				
ALL	24. Harnesses for chafed or broken wires and loose corroded connections. Anti-ice CCA A1 and connector P2 for loose mounting hardware. Window temperature sensor RT1 and thermostat S1 for bonding separation.				
ALL	25. Electronic shielding gasket for bonding separation, tears, cracks, cuts, and deterioration.				
ALL	26. PNVS optics for contamination, pitting, nicks, scratching, and peeling of coating.				
ALL	27. Wire harnesses for chafed or broken wires, loose or corroded connections and loose connectors.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspection.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	28. Check for loose, stripped or missing mounting hardware on PNVS turret.				
ALL	29. Main fan, mux power supply fan, and two ventilated CCA housings for buildup of dust.				
ALL	30. Access cover seal for any tears, cracks, cuts, deterioration, and loose fit.				
ALL	31. Remove PNVS turret assembly.				
ALL	32. PNVS turret seal for any cracks, tears, bonding separation, or deterioration. Gears for any cracked, broken, or missing teeth. Telfon limit stop pads for any damage.				
ALL	33. PNVS turret captive mounting screws, stripped, damaged or missing screws.				
ALL	34. Broken or bent switch actuators and loose limit switches.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspection.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT FORWARD FUSELAGE – 1			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	35. Move TADS turret to 90 degrees. Check external painted surfaces of PECA for scratched, chipped, or peeled paint.				
ALL	36. Check PECA warning plate decal for peeling edges. Check for extensive wear, pitting, legibility, etc.				
ALL	37. ALQ 136 antenna and associated wiring for mounting security, external damage, and loose connectors. Wiring harnesses and clamps for chafing security, and deterioration.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspection.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No. CREW STATIONS – 2		Aircraft Serial No.		Date	Total Hrs. This Area	
Inspect Phase Nos.	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**		**Initial**
ALL	1. **<u>WARNING:</u> DO NOT MOVE HEIGHT ADJUSTMENT LEVER UNLESS SEAT IS OCCUPIED. IF INJURY OCCURS, SEEK MEDICAL AID.** Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing attaching hardware. Handholds and steps for damage, structural integrity, and mounting security.					
ALL	2. Access panels, fairings, and doors for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges for damage, binding and security. Latches for security and proper operation. Check for worn or deteriorated seals.					
ALL	3. Interior components for mounting security and loose or missing hardware.					
ALL	4. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.					

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	5. Pilot door for seal deterioration and proper fit. Hinges for cracks and corrosion. Door mechanism for damage and loose door strut cable. Cracked or broken striker plate. Door strut for corrosion and loose or worn bearings.				
2,4 C	6. Remove pilot floor panels for access. Pilot magnetic brake trim and feel spring units for cracks, corrosion, and mounting security. Check for looseness or lost motion. Wiring harnesses for loose connections, chafing, or deteriorations.				
2,4 C	7. Pilot flight control linkage for cracks, corrosion, and security.				
ALL	8. High powered switching modules for mounting security. Wiring harnesses for proper connections, chafing, and cleanliness. Circuit breakers for looseness and damage. Check all markings for readability.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	9. Pilot canted bulkhead for cracks, corrosion, loose or missing hardware. Loose, cracked, or broken seat attachment fittings.				
ALL	10. Pilot seat for cracks, distortion, and security. Upholstery and cushions for tears and cleanliness.				
ALL	11. Pilot seat belt and harness straps for cuts, fraying, and cleanliness. Strap fittings for corrosion and security.				
ALL	12. Pilot seat belt buckle for proper operation.				
ALL	13. Pilot seat harness reel for strap lock and release operation. Released harness straps for free extension and reel-in operation.				
ALL	14. Pilot seat armor swing plate for mounting security, lockup, lock release, and side swing operation.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	15. Pilot instrument panels, MPD's, and consoles for loose or missing fasteners. MPD's, UFD, compass, control knobs and switches for damage or looseness. Lenses for transparency and cleanliness. Check all markings for readability.				
ALL	16. Pilot cyclic stick for security and worn bushings. Grip switches for damage or looseness. Check all markings for readability. Base wiring harness for loose connections, chafing, and deterioration. Control linkage for damage, looseness, and evidence of interference.				
ALL	17. Pilot collective stick for security and worn bushings. Grip switches for damage or looseness. Check all markings for readability. Base wiring harness for loose connections, chafing, and deterioration. Control linkage for damage, looseness, and evidence of interference.				
ALL	18. Pilot directional pedals for damage and security. Supports for cracks, bends, or corrosion. Rod and rod ends for cracks, bending, corrosion, worn or seized bearings, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 **C**	19. Pilot engine power controls for bent, cracked or broken cable supports, and brackets. Rods and rod ends for worn or seized bearings and loose or missing hardware. Remove pilot's left console side panels for access.				
2,4 **C**	20. Pilot wiring harnesses for loose and missing attaching hardware, chafed wires, loose connections, and broken tie-wraps. Brackets for damage and corrosion.				
2,4	21. Pilot SSU mount pads for damage, security and loose or missing hardware.				
ALL **C**	22. Pilot canopy jettison components for cut or broken detonation cords, bulged unions, and loose or missing hardware.				
ALL	23. Doghouse fairing for damage. Check for security and integrity of mounted jammer antenna, IFF antenna, and de-ice probe.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	24. CPG seat harness reel for strap lock and release operation. Release harness straps for free extension and reel-in operation.				
2,4 C	25. CPG door for seal deterioration and proper fit. Hinges for cracks or corrosion. Door mechanism for damage and loose door strut cable. Striker plate broken or cracked. Door strut for damage and worn or seized bearings.				
ALL	26. CPG seat armor swing plate for mounting security. Check plate lockup for lock release and side swing operation.				
ALL	27. CPG seat for cracks, distortion, and security. Upholstery and cushions for tears and cleanliness.				
ALL	28. CPG seat height adjustment track for height limiter.				
ALL	29. CPG seat belt and harness straps for cuts, fraying, and cleanliness. Strap fittings for corrosion and security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	30. CPG instrument panel, MPD's, and consoles for loose or missing fastners. MPD's, UFD, control knobs and switches for damage or looseness. Lenses for transparency and cleanliness. Check all markings for readability.				
ALL	31. CPG seat belt buckle for proper operation.				
ALL **C**	32. CPG cyclic stick for security and worn bushings. Grip switches for damage or looseness. Check all markings for readability. Base wiring harness for loose connections, chafing, and deterioration. Control linkage for damage, looseness, and evidence of interference.				
ALL **C**	33. CPG collective stick for security and worn bushings. Grip switches for damage or looseness. Check all markings for readability. Base wiring harness for loose connections, chafing, and deterioration. Control linkage for damage, looseness, and evidence of interference.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	34. CPG directional pedals for damage and security. Supports for cracks, bends, and corrosion. Rod and rod ends for cracks, bending, corrosion, worn or seized bearings and loose or missing attachment hardware.				
2,4 **C**	35. CPG engine power controls for bent, cracked, or broken cable supports and brackets. Rods and rod ends for worn or seized bearings and loose or missing hardware. Remove CPG left console side panel for access.				
2,4 **C**	36. Remove CPG floor panels for access. CPG flight control linkage for cracks, corrosion and security.				
2,4 **C**	37. CPG wiring harnesses for loose or missing hardware, chafed wires, loose connections, and broken tie-wraps. Brackets for damage and corrosion.				
ALL	38. CPG SSU mount pads and struts for damage, security, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	39. CPG canopy jettison components for cut or broken detonation cords, bulged unions, and loose or missing hardware.				
ALL	40. Pilot brake master cylinders for leakage, cracks, and loose or missing hardware. Hydraulic lines for leakage, chafing, and connection security.				
ALL	41. Pilot directional pedal control linkage cover for cracks, corrosion, distortion, and loose or missing hardware. (access through gun turret cavity).				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No. ARMAMENT CREW STATIONS – 2		Aircraft Serial No.		Date	Total Hrs. This Area	
Inspect Phase Nos.	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**		**Initial**
ALL	1. Remove pilot HDU from crewstation.					
ALL	2. Visually inspect pilot SSU, HDU, and BRU optical lenses for contamination, clean as required.					
ALL	3. Inspect pilot BRU housing for damage. None allowed.					
2,4	4. Inspect pilot BRU wiring harness, connector, and receptacle for loose, broken, or missing pins or damage. None allowed.					
ALL	5. Inspect pilot display adjust panel (DAP) for cracks, corrosion, damaged connector receptables, and loose or missing hardware. Cracks: None allowed. If found, replace with undamaged like item.					

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	6. Pilot Sensor Surveying Unit (SSU) components for cracks, and damaged connector receptacle. Damage: none allowed, if found replace with undamaged like item.				
ALL	7. Visually inspect CPG SSU, HDU, and BRU optical lenses for contamination, clean as required.				
ALL	8. Remove CPG HDU from crewstation.				
ALL	9. Inspect CPG BRU housing, wire harness, connectors and receptacles for loose, broken or missing pins or damage.				
ALL	10. Inspect CPG display adjust panel (DAP) for cracks, corrosion, damaged connector receptacles and loose or missing hardware. Cracks; none allowed. If found, replace with undamaged like item.				
ALL	11. CPG Sensor Surveying Unit (SSU) component for cracks, and damaged connector receptacle.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	12. **<u>NOTE:</u> THE FOLLOWING PROCEDURES ARE APPLICABLE TO BOTH THE PILOT AND CPG HDU.** Remove combiner lens from HDU and clean attaching parts.				
ALL	13. Inspect the HDU housing, two screws, flat spring, and thrust plate for negligible or replacement damage.				
ALL	14. Inspect HDU electrical connectors for broken, bent, loose or missing pins and foreign debris.				
ALL	15. Check combiner lens for chips, cracks, and scratches and for loose, broken or missing guard.				
ALL	16. Inspect CRT cable for twisting or binding.				
ALL	17. HDU for damage, cracks, corrosion, loose or missing hardware, or connectors.				
ALL	18. Rotating ring, rotating segment, flat spring, and two screws for negligible or replacement damage.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT CREW STATIONS – 2	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	19. Perform HDU alignment verification.				
ALL	20. ORT painted surfaces for cracked, broken, or peeling paint, optics for contamination, pitting, nicks, scratching and ORT humidity indicator.				
ALL	21. Control panel filter assembly for unrestricted movement and security in the up position.				
ALL	22. Check for deteriorated or missing snubber pads.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
LEFT EFAB AND MLG – 3			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware. Handholds and steps for damage, structural integrity, and mounting security.				
ALL	2. Access panels, fairings, and doors for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges for damage, binding, and security. Latches for security and proper operation. Check for worn or deteriorated seals and copper cote.				
ALL	3. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.				
ALL **C**	4. ECS compressor, condenser, evaporator and tubes for leaking and integrity. All ECS system components for proper charge, signs of leakage or overheating and proper installation.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. LEFT EFAB AND MLG – 3	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Mounting racks for distortion and loose or missing hardware. Cooling ducts for cracks, distortion, proper fit, and evidence of leakage.				
ALL C	6. Avionics bay for cleanliness and distortion.				
ALL C	7. (Remove shock strut) Inspect main landing gear shock strut mount from the base of the mount to the end of the shaft. Inspect for pits, grooves and scratches. For cracks use flourescent penetrant. Check for distortion, or looseness, loose or missing rivets or hardware. (Remove shock strut).				
ALL C	8. Inspect main landing gear shock strut and bearings for damage.				
2,4 C	9. Main landing gear trailing arm for cracks, distortion, and corrosion. Cross tube end pivot boss for security, damaged or worn bearing, loose or missing hardware. Hydraulic brake line for leakage, chafing, dents, corrosion, and clamping security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. LEFT EFAB AND MLG – 3	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	10. Main landing gear end cap on cross tube for cracks, distortion, fractured weld, and elongated bolt holes.				
2,4 C	11. Repack main landing gear wheel bearings.				
2,4 C	12. Main landing gear wheel keys and key slots for wear and damage.				
2,4	13. Squat switch for deformation, damaged insulation, loose connections, and mounting security. Wiring harness for chafing, security, and deterioration.				
ALL C	14. Pilot collective bellcrank for chafing and interference with forward fuel cell. Check for structural deterioration and security. (Access L160)				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. LEFT EFAB AND MLG – 3	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	15. Pilot collective push-pull rods and rod ends for cranks, corrosion, bending, worn and seized bearings, loose or missing hardware, and evidence of interference.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT LEFT EFAB AND MLG – 3			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Connectors J1 through J9 for corrosion, damage, distortions, and loose mounting connections.				
ALL	2. Stow assembly mounting points for cracks and corrosion.				
ALL	3. TEU assembly for loose, missing, or stripped mounting hardware. Remove TEU.				
ALL	4. Air holes in air flow adapters for build-up of dust.				
ALL	5. Remove TPS. Check TPS for loose, missing, and stripped mounting hardware.				
ALL	6. Connectors J1 and J2 for corrosion, loose connections and loose, bent, or broken pins and sockets.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT LEFT EFAB AND MLG – 3	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	7. Fuses F1, F2, and F3 for missing, blown, or incorrect fuses.				
ALL	8. Check air holes in air flow adapters on rear of TPS for build-up of dust.				
ALL	9. Connectors J2 and J3 for corrosion, loose connections and for loose, bent, or broken pins and sockets.				
ALL	10. LEU for loose, missing, and stripped mounting hardware. Remove LEU				
ALL	11. Avionics equipment for mounting security, external damage, and loose connectors. Wiring harnesses and clamps for chafing, security, and deterioration.				
ALL	12. Wire harnesses for chafing, broken wires, and loose, bent, broken pins and sockets.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
RIGHT EFAB AND MLG – 4			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware. Step for damage, structural integrity, and mounting security.				
ALL	2. Access panels, fairings, and doors for deformation cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges for damage, binding, and security. Latches for security and proper operation. Seals and copper cote for wear or deterioration.				
ALL	3. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.				
ALL	4. ECS compressor, condenser, evaporators, and tubes for leaking and integrity. All ECS system components for proper charge. Signs of leakage or over heating and proper installation.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT EFAB AND MLG – 4	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	5. Mounting rack for distortion and loose or missing hardware. Cooling ducts for cracks, distortion, proper fit, and evidence of leakage.				
ALL	6. Avionics bay for cleanliness and distortion.				
ALL **C**	7. (Remove shock strut) Inspect main landing gear shock strut mount from the base of the mount to the end of the shaft. Inspect for pits, grooves and scratches. For cracks use flourescent penetrant. Check for distortion, and loose or missing hardware. (Remove shock strut).				
ALL **C**	8. Inspect main landing gear shock strut and bearings for damage.				
2,4 **C**	9. Main landing gear trailing arm for cracks, distortion, and corrosion. Cross tube end pivot boss for security, damaged or worn bearing, loose or missing hardware. Hydraulic brake line for leakage, chafing, dents, corrosion, and clamping security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT EFAB AND MLG – 4	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	10. Main landing gear end cap on cross tube for cracks, distortion, fractured weld, and elongated bolt holes.				
2,4 C	11. Repack main landing gear wheel bearings.				
2,4 C	12. Main landing gear wheel keys and key slots for damage and wear.				
ALL C	13. Extend searchlight. Check for corrosion, loose or missing hardware, and security. Lens for cracks and evidence of overheating. Wiring for loose connections, chafing, deterioration, and security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.		Aircraft Serial No.		Date	Total Hrs. This Area	
ARMAMENT RIGHT EFAB AND MLG – 4						
Inspect Phase Nos.	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**		**Initial**
ALL	1. SEU and connectors for corrosion, damage, loose mounting and connections.Remove SEU					
ALL	2. SEU to Electronic Equipment Test Facility (EETF) for testing.					
ALL	3. DEU and connectors for corrosion, damage, loose mounting and connections. Remove DEU.					
ALL	4. DEU to Electronic Equipment Test Facility (EETF) for testing.					
ALL	5. Inspect air hole in air flow adapters on rear of PEU for build-up of dust. Inspect PEU for loose, missing or stripped mounting hardware. Remove PEU.					

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT RIGHT EFAB AND MLG – 4	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	6. Remove fuseholder caps for F1 through F4. Check for missing, blown, or incorrect fuses.				
ALL	7. Connectors J1 through J5 for corrosion and loose connections. Check for loose, bent, burned, or broken pins and sockets.				
ALL	8. Avioncs equipment for mounting security, external damage, and loose connectors. Wiring harnesses and clamps for chafing, security and deterioration.				
ALL	9. Wire harnesses for chafing, broken wires, loose, bent, broken pins and sockets.				
ALL	10. Gun control box (GCB) and connectors for corrosion, damage, loose mounting and connectors.				
ALL	11. Turret control box (TCB) and connectors for corrosion, damage, loose mounting, and connections.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT RIGHT EFAB AND MLG – 4	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	12. Sideloader magazine controller (SMC) for security, proper operation, broken or bent gears, shaft carriers and slide tray.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
LEFT WING AND PYLON – 5			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware.				
ALL	2. Access panels, fairings, and wing tip door for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinge and latch for damage, binding, security, and proper operation. Seals for wear and deterioration.				
ALL C	3. Inspect wing forward upper mounting flange area and mounting bolts for security, cracks and corrosion.				
ALL C	4. Interior components for mounting security and loose or missing hardware.				
ALL C	5. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. LEFT WING AND PYLONS – 5	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	6. Wing mount fittings for cracks, corrosion and distortion.				
ALL C	7. Left outboard pylon wiring harnesses for security, chafing, and loose connections. Hydraulic and fuel lines for security, chafing, and leakage.				
ALL	8. Left inboard pylon wiring harnesses for security, chafing, and loose connections. Hydraulic and fuel lines for security, chafing, and leakage.				
ALL	9. Wing wiring harnesses for security, chafing, and proper connection.				
2,4 C	10. Spars for cracks, corrosion, and loose or working rivets. Hydraulic lines for leakage, chafing, and clamping security. Wiring harnesses for chafing and clamping security.				
2,4 C	11. Pitot/static lines for cracks, chafing, and mounting security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT LEFT WING AND PYLON – 5			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Left outboard installed pylons and racks for cracks, dents, distortion, and loose or missing fastners. Pylon and rack mount fittings for cracks and distortion. Mounting bolts for security.				
ALL	2. Pylon fairings and actuators for evidence of damage and hydraulic fluid leakage.				
ALL	3. Access P3. Pylon PIU bracket for cracks, corrosion, or warping.				
ALL	4. Check pylon connectors for corrosion, damage, and loose mounting connections.				
ALL	5. Check pylon rack inserts, bushings, and bearings for visible damage.				
ALL	6. Check pylon rack mounting bushings.				
ALL	7. Check pylon hollow pin.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT LEFT WING AND PYLONS – 5	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	8. Check pylon frame assembly for cracks on both inboard and outboard sides. Use magnifier around pivot pin area. No cracks allowed.				
ALL C	9. Pylon ejector assembly for corroded piston and cartridge holder.				
ALL	10. Check pylon rack articulation.				
ALL	11. Check pylon rack for allowable release torque. Position rack hooks to the indicated hook-locked position. Move rack hooks to the indicated hook-unlocked position. Note torque reading at release point. Use dial indicating torque wrench. Rack is operational if torque reading is equal to or less than 120 inch-pounds. Repair rack if reading to open rack hooks is greater than 120 inch-pounds.				
ALL C	12. Left inboard installed pylons and racks for cracks, dents, distortion, and loose or missing fastners. Pylon and rack mount fittings for cracks and distortion. Mounting bolts for security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT LEFT WING AND PYLONS – 5	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	13. Pylon fairings and actuators for evidence of damage and hydraulic fluid leakage.				
ALL	14. Access P3. Pylon PIU bracket for cracks, corrosion, or warping.				
ALL	15. Check pylon connectors for corrosion, damage, and loose mounting connections.				
ALL	16. Check pylon rack inserts, bushings, and bearings for visible damage.				
ALL	17. Check pylon rack mounting bushings.				
ALL	18. Check pylon hollow pin.				
ALL	19. Check pylon frame assembly for cracks on both inboard and outboard sides. Use magnifier around pivot pin area. No cracks allowed.				
ALL C	20. Pylon ejector assembly for corroded piston and cartridge holder.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT LEFT WING AND PYLONS – 5	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	21. Check pylon rack articulation.				
ALL	22. Check pylon rack for allowable release torque. Position rack hooks to the indicated hook-locked position. Move rack hooks to the indicated hook-unlocked position. Note torque reading at release point. Use dial indicating torque wrench. Rack is operational if torque reading is equal to or less than 120 inch-pounds. Repair rack if reading to open rack hooks is greater than 120 inch-pounds.				
ALL	23. Perform missile launcher inspection.				
ALL	23a. Inspect rocket launcher.				
ALL	24. Rocket pod for wear, cracks, deterioration, bends, and dents in tubes.				
ALL	25. Rocket pod connectors for wear or broken pins.				
ALL	26. Igniter arms for proper operation.				
ALL	27. Lubricate rocket pods.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
RIGHT WING AND PYLONS – 6			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware.				
ALL	2. Access panels, fairings, and wing tip door for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinge and latch for damage, binding, security, and proper operation. Seals for wear or deterioration.				
ALL C	3. Inspect wing forward upper mounting flange area and mounting bolts for security, cracks and corrosion.				
ALL C	4. Interior components for mounting security and loose or missing hardware.				
ALL C	5. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT WING AND PYLONS – 6	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	6. Wing mount fittings for cracks, distortion and corrosion.				
ALL	7. Right outboard pylon wiring harnesses for security, chafing, and loose connections. Hydraulic and fuel lines for security, chafing, and leakage.				
ALL	8. Right inboard pylon wiring harnesses for security, chafing, and loose connections. Hydraulic and fuel lines for security, chafing, and leakage.				
ALL	9. Wing wiring harnesses for security, chafing, and proper connection.				
2,4 C	10. Spars for cracks, corrosion, and loose or working rivets. Hydraulic lines for leakage, chafing, and clamping security. Wiring harnesses for chafing and clamping security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT WING AND PYLONS – 6	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	11. Pitot/static lines for cracks, chafing, and mounting security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT RIGHT WING AND PYLONS – 6			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Right outboard installed pylons and racks for cracks, dents, distortion, and loose or missing fastners. Pylons and rack mount fittings for cracks and distortion. Mounting bolts for security.				
ALL	2. Pylon fairings and actuators for evidence of damage and hydraulic fluid leakage.				
ALL	3. Access P3. Pylon PIU bracket for cracks, corrosion, and warping.				
ALL	4. Check pylon connectors for corrosion, damage, and loose mounting connections.				
ALL	5. Check pylon rack inserts, bushings, and bearings for visible damage.				
ALL	6. Check pylon rack mounting bushings.				
ALL	7. Check pylon hollow pin.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT RIGHT WING AND PYLONS – 6	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	8. Check pylon frame assembly for cracks on both inboard and outboard sides. Use magnifier around pivot pin area.				
ALL C	9. Pylon ejector assembly for corroded piston and cartridge holder.				
ALL	10. Check pylon rack articulation.				
ALL	11. Check pylon rack for allowable release torque. Position rack hooks to the indicated hook-locked position. Move rack hooks to the indicated hook-unlocked position. Note torque reading at release point. Use dial indicating torque wrench. Rack is operational if torque reading is equal to or less than 120 inch-pounds. Repair rack if reading to open rack hooks is greater than 120 inch-pounds.				
ALL C	12. Right inboard installed pylons and racks for cracks, dents, distortion, and loose or missing fastners. Pylon and rack mount fittings for cracks and distortion. Mounting bolts for security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT RIGHT WING AND PYLONS – 6	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	13. Pylon fairings and actuators for evidence of damage and hydraulic fluid leakage.				
ALL	14. Access P3. Pylon PIU bracket for cracks, corrosion, or warping.				
ALL	15. Check pylon connectors for corrosion, damage, and loose mounting connections.				
ALL	16. Check pylon rack inserts, bushings, and bearings for visible damage.				
ALL	17. Check pylon rack mounting bushings.				
ALL	18. Check pylon hollow pin.				
ALL	19. Check pylon frame assembly for cracks on both inboard and outboard sides. Use magnifier around pivot pin area.				
ALL C	20. Pylon ejector assembly for corroded piston and cartridge holder.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT RIGHT WING AND PYLONS – 6	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	21. Check pylon rack articulation.				
ALL	22. Check pylon rack for allowable release torque. Position rack hooks to the indicated hook-locked position. Move rack hooks to the indicated hook-unlocked position. Note torque reading at release point. Use dial indicating torque wrench. Rack is operational if torque reading is equal to or less than 120 inch-pounds. Repair rack if reading to open rack hooks is greater than 120 inch-pounds.				
ALL	23. Perform missile launcher inspection.				
ALL	23a. Inspect rocket launcher.				
ALL	24. Rocket pod for wear, cracks, deterioration, bends, and dents in tubes.				
ALL	25. Rocket pod connectors for wear or broken pins.				
ALL	26. Igniter arms for proper operation.				
ALL	27. Lubricate rocket pods.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
LEFT ENGINE AND NOSE GEARBOX – 7			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware.				
ALL	2. Access panels, fairings, and doors for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges, struts, and supports for damage, binding, and security. latches for security and proper operation. Seals for wear and deterioration.				
ALL **C**	3. Navigation, and anti-collision lights for corrosion, loose or missing hardware, and security. lenses for cracks, looseness, and discoloration. Wiring harness for chafing and clamping security.				
ALL	4. IR suppressor nozzle mating surfaces for worn, and damaged orange seals.				
ALL	5. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. LEFT ENGINE AND NOSE GEARBOX – 7	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	6. Particle separator duct for cracks, dents, and deformation.				
ALL	7. IR suppressor nozzles and radiation shields for cracks, dents, deformation, and security. Supports for damage and security.				
2,4	8. Main transmission heat exchangers and engine cooloing louvers for cracks, deformation, delamination, distortion, broken and loose or working rivets. Louver plates for looseness and lost motion.				
ALL	9. Engine air inlet for cracks, distortion, security, corrosion, deteriorated, torn and split seals. Loose or working rivets and screws. Interior for cleanliness.				
2,4	10. Drain and service engine starter. Check for cracks and loose or missing hardware.				
2,4	11. Engine wiring harnesses for loose connections, chafing, and deterioration.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. LEFT ENGINE AND NOSE GEARBOX – 7	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	12. Engine power control cables and brackets for cracks, corrosion, mounting security, and loose or missing hardware.				
ALL C	13. Primary exhaust nozzle for cracks.				
2,4 C	14. Visually inspect engine mounts for cracks, deformation, loose bushings, corrosion, security, and loose or missing hardware. Pins and expanding bolts for wear and looseness.				
ALL	15. Nose gearbox wiring for loose connections, chafing, and deterioration.				
ALL C	16. Remove and clean nose gearbox chip detector. Check for insulation damage.				
ALL C	17. Remove and clean nose gearbox breather.				
ALL C	18. Change nose gearbox lube , oil, and filter.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. LEFT ENGINE AND NOSE GEARBOX – 7	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	19. Nose gearbox oil pressure switch, pressure transducer, and temperature probe for insulation damage, oil leakage, and security. Harness splices for security.				
ALL C	20. Nose gearbox lube oil level sight gage for cleanliness, leakage, and security.				
ALL C	21. Nose gearbox and lube oil pump housings for cracks, distortion, leakage, and security.				
2,4 C	22. Nose gearbox mounting bolts, verify torque is 60 inch/lbs.				
2,4 C	23. Nose gearbox cooling fins and shroud for cracks, deformation, corrosion, and security. Fan impeller for corrosion and damage.				
ALL	24. Nose gearbox drive shaft and couplings for nicks, dents, scratches, and security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
RIGHT ENGINE AND NOSE GEARBOX – 8			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware.				
ALL	2. Access panels, fairings, and doors for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges, struts, and supports for damage, binding, and security. Latches for security and proper operation. Seals for wear or deterioration.				
ALL	3. Navigation and anti-collision lights for corrosion, loose or missing hardware, and security. Lenses for cracks, looseness, and discoloration. Wiring harness for chafing and clamping security.				
ALL	4. IR suppressor nozzle mating surface for worn and damaged orange seals.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT ENGINE AND NOSE GEARBOX – 8	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	5. Interior structure for cracks, corrosion. loose or working rivets, and loose or missing hardware.				
2,4 C	6. Particle separator duct for cracks, dents, and deformation.				
ALL	7. IR suppressor nozzles and radiation shields for cracks, dents, deformation, and security. Supports for damage and security.				
2,4	8. Main transmission heat exchanger and engine cooling louvers for cracks, deformation, delamination, distortion, broken or loose rivets. Louver plates for looseness and lost motion.				
ALL	9. Engine air inlet for cracks, distortion, security, corrosion, deteriorated, torn and split seals. Loose or working rivets and screws. Interior for cleanliness.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT ENGINE AND NOSE GEARBOX – 8	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	10. Drain and service engine starter. Check for cracks and loose or missing hardware.				
2,4	11. Engine wiring harnesses for loose connections, chafing, and deterioration.				
2,4 C	12. Engine power control cables and brackets for cracks, corrosion, mounting, security, and loose or missing hardware.				
ALL C	13. Primary exhaust nozzle for cracks.				
2,4 C	14. Visually inspect engine mounts for cracks, deformation, loose bushings, corrosion, security, and loose or missing hardware. Pins and expanding bolts for wear and looseness.				
ALL	15. Nose gearbox wiring for loose connections, chafing, and deterioration.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT ENGINE AND NOSE GEARBOX – 8	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	16. Remove and clean nose gearbox chip detector. Check for insulation damage.				
ALL C	17. Remove and clean nose gearbox breather.				
ALL C	18. Change nose gearbox lube, oil and filter.				
ALL C	19. Nose gearbox oil pressure switch, pressure transducer, and temperature probe for insulation damage, oil leakage, and security. Harness splices for security.				
ALL C	20. Nose gearbox lube oil level sight gage for cleanliness, leakage, and security.				
ALL C	21. Nose gearbox and lube oil pump housing for cracks, distortion, leakage, and security.				
2,4 C	22. Nose gearbox mounting bolts, verify torque is 60 inch/lbs.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. RIGHT ENGINE AND NOSE GEARBOX – 8	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 **C**	23. Nose gearbox cooling fins and shroud for cracks, deformation, corrosion, and security. Fan impeller for corrosion and damage.				
ALL	24. Nose gearbox drive shaft and couplings for nicks, dents, scratches, and security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No. MAIN TRANSMISSION – 9		Aircraft Serial No.		Date	Total Hrs. This Area	
Inspect Phase Nos.	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**		**Initial**
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware.					
ALL	2. Access panels, fairings, and doors for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges for damage, binding, and security. Latches for security and proper operation. Seals and copper coat for wear or deterioration.					
ALL	3. Interior components for mounting security and loose or missing hardware.					
ALL	4. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.					
ALL	5. Transmission housing and cover for cracks, oil leakage, and evidence of overheating (discoloration).					

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MAIN TRANSMISSION – 9	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	6. Torque check upper case nuts to 190 in. lbs.				
ALL C	7. Remove and clean chip detectors. Check for insulation and damage.				
2,4	8. Wiring harnesses for loose connections, chafing, or deterioration.				
ALL C	9. Replace accessory pump oil filter. Remove and clean bypass screen.				
ALL C	10. Clean transmission breathers.				
ALL C	11. Change transmission lube oil and filters.				
2,4	12. Oil pressure switches, pressure transducers, temperature probes, and magnetic pickup for insulation damage, leakage, and security. Harness splices for security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MAIN TRANSMISSION – 9	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	13. Reaction bar for cracks and corrosion.				
ALL	14. Reaction bar for signs of wear, presence of metal fragments, elongated hole, and torque striping on two clamping bolts.				
ALL C	15. Lube oil level sight gages for cleanliness, leakage, and security.				
2,4 C	16. Input shaft and coupling bolts for proper installation. Verify torque on bolts.				
ALL C	17. Primary hydraulic manifold for leakage, corrosion, loose connections, and security. Check manifold air inlet check valve filter for cleanliness.				
ALL C	18. Generators for damaged insulation, security, and cracked or broken housings.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MAIN TRANSMISSION – 9	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	19. Transformer/rectifiers for evidence of overheating (discoloration) and security.				
ALL **C**	20. Anti-collision light power supply for corrosion and loose or missing hardware.				
ALL **C**	21. Flight control servo cylinders for leakage, cracks, and corrosion. Upper and lower rod ends for worn and seized bearings. Rubber boot for cuts, tears, and deterioration. Inspect servo cylinder control linkage hardware for damage and security.				
ALL **C**	22. Main rotor mast support struts for cracks, bending, distortion, and security. Transmission deck for distortion and looseness at lower ends of struts.				
ALL **C**	23. Mast base for cracks, distortion, and security. Mast support mount and upper ends of support struts for security. Inspect the upper portion of the mast base support in the areas around the four lighting holes, static mast, and mixer supports for corrosion.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MAIN TRANSMISSION – 9	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	24. Static mast attaching hardware for proper torque (use PLI washer method).				
ALL C	25. Flight control rod and rod ends for dents, cracks, corrosion, security, and worn or seized bearings and bushings.				
ALL	26. Flight control bellcranks for cracks, corrosion, and security. Brackets for mounting security. Pivot bearings for looseness.				
2,4 C	27. Engine controls for damage and deformed cables, supports, clamps, and brackets for cracks and bends. Rods and rod ends for worn and seized bearings. Bellcranks for cracks, deformation, worn bushings, loose or missing hardware, and evidence of interference.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
MAIN ROTOR – 10			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Blade spars and root finger doublers for delamination.				
ALL C	2. Blade leading edge for cracks, dents, distortion, and erosion. Leading edge tips for loose or missing hardware. Trailing edge for cracks and voids.				
ALL	3. Perform coin tap test on main rotor blades.				
ALL	4. Blade root bushings for cracks, distortion, and security.				
ALL C	5. Main rotor drive plate for cracks, distortion, and corrosion. Mounting bolts for security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	6. Main rotor hub for cracks, distortion, corrosion, and security. Hub lower grease seal for leakage.				
2,4 C	7. Feathering bearing housings and retaining nuts for cracks, corrosion, and security. Feathering bearings for radial looseness.				
2,4 C	8. Blade droop stop striker plates for distortion and cracks. Droop stop plungers, return springs, and stop ring for cracks and deformation. Plungers, rollers, and stop ring for wear and play.				
2,4 C	9. Pitch housings for cracks, scratches, corrosion, and security. Pitch housing ears for pitch link rod end gouging.				
2,4 C	10. Lead-lag links for cracks, distortion, and corrosion. Link-to-damper rod ends for bearing damage. Rod ends for worn and seized bearings.				
2,4 C	11. Lead-lag dampers for security and loose, debonded, or deteriorated elastic material.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	12. Blade strap packs for cracks, buckling, breakage or horizontal displacement. (Check both ends of each strap).				
2,4 **C**	13. Static discharge brushes for fraying, distortion, cracked and broken holders or springs. Brushes for even contact with mast.				
ALL **C**	14. Pitch links for cracks, distortions, and corrosion. Rod ends for bearing damage or looseness. Check lower rod end clamp-up to floating bushings.				
ALL **C**	15. Swashplate uniball for cracks, grooving, flaked or worn-through plating. Bearing for grease leakage.				
ALL **C**	16. Rotating swashplate for cracks, corrosion, grease leakage, and security of lower seal. Pitch link connection bosses for bending, misalignment, and worn or loose bushings.				

PHASE NO. _____	Area Name and No. MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	17. Stationary swashplate for cracks and corrosion. Lateral and torque connection bosses for bending, misalignment, and worn or loose bushings.				
ALL **C**	18. Rotating scissors for cracks, corrosion, and security. Pivot bearings for wear.				
ALL **C**	19. Longitudinal and lateral torque links for cracks, dents, scratches, and corrosion. Attachment bolts for security. Bearings for looseness.				
ALL **C**	20. Longitudinal, lateral, and collective bellcracks for cracks, distortion, and corrosion. Check floating bushing clamp-up to rod ends.				
2,4 **C**	21. Mixer supports for cracks, distortion, and corrosion. Mixer attachment bolts for cracks, corrosion, and security. Check for worn or seized bearings.				

PHASE NO. _____	Area Name and No. MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	22. Lower shoes for worn scissor bearings and worn plunger bearings.				
ALL C	23. Main rotor hub nut for corrosion, stripped threads, cracks, or failure. Magnetic particle inspect hub nut.				
ALL C	24. Check rotor hub static droop angle.				
2,4 C	25. Static mast for cracks, dents, distortion, and corrosion. Swashplate sliding surface for grooved, flaked, and worn-through plating.				
ALL C	26. Derotation unit for damage, looseness, and deformation (If installed).				
ALL C	27. Mast base flange for cracks, corrosion, and security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	28. Check main rotor upper bearing using 12X magnifying glass. Inspect bearing for burnt grease and contamination. Repack bearing.				
ALL C	29. Main rotor gear shaft for cracks, distortion, corrosion, and for chipped, broken, scored or worn spline teeth.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT MAIN ROTOR – 10			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	1. Remove the 12 MMA to DU attachment bolts and separate the MMA from the DU. Visually inspect at 10X magnification minimum, the DU attachment bolt holes (12) and nut plate cage rivet holes (24) for cracks on the bottom surface of the stationary pedestal. Also visually inspect the inside surface of the stationary pedestal for cracks (opposite the lower azimuth bearing journals).				
ALL **C**	2. Verify integrity of torque stripes on baseplate attachment to pedestal shelf (12 screws external). Discrepant torque stripe: None allowed. If found correct. Torque to 115 inch-pounds. Use torque wrench. Apply torque stripe.				
ALL **C**	3. Unfasten the 26 Radome/Aft Dome bolts and remove the Radome.				
ALL **C**	4. Unfasten the 25 Aft Dome/Baseplate bolts and open the Aft Dome for internal inspection.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	5. Unfasten the RF Transmitter Captive screws, diconnect attached wave guides and tables, and remove the Line Replaceable Module (LRM) from the Transmitter bracket to inspect and verify the torque stripes for the following: Twenty–two Hub Collar/Rotary Tube Bolts; Twenty–four Hub Collar/Baseplate Bolts. Any fastner with torque stripe damage (i.e. stripe chafed, misaligned, or missing) should be inspected and fully torqued. Visually inspect all unbolted and unfastened assemblies in joints and around bolt/fastner areas for crack initiation. Hub Collar/Rotary Tube Bolts discrepant torque stripe: None allowed. If found correct. Torque to 50 inch-pounds. Use torque wrench. Apply torque stripe. Hub Collar/Baseplate Bolts discrepant torque stripe: None allowed. If found correct. Torque .250 bolts to 115 inch-pounds. Torque #10 bolts to 50 inch-pounds. Use torque wrench. Apply torque stripe.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	6. Visually verify torque stripe integrity for the following external bolt/screws: Discrepant torque stripe. None allowed. If found, re–torque and apply torque stripe. Four Azimuth Drive Captive Screws – two places. (Torque to 25 inch-pounds) Six Azimuth Drive Electronic Unit Captive Screws. (Torque to 25 inch-pounds) Four RFI Antenna Captive Screws. (Torque to 79 inch-pounds) Four RFI Receiver Captive Screws. (Torque to 79 inch-pounds) Four RFI Receiver Bracket Captive Screws. (On units where installed torque to 50 inch-pounds). Two Time Meter Screws. (Torque to 50 inch-pounds) Ten Inertial Particle Separator Screws. (Torque to 50 inch-pounds) Four Cooling Fan Screws. (Torque to 50 inch-pounds)				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	7. Radome Shell: Check for evidence of fatigue damage appearing as delamination, cracks, or grazing at the bolting flange; area of the top flat surface from the captive stud bolts, eight inches forward; and area eight inches wide along the tangent line between the top flat surface and the upper corner radius, four inches either side of the tangent line. Any noticable flaw sized less than 1/2 inch diameter should be reported to AMCOM Engineering and subsequently monitored. A flaw sized greater than 1/2 inch requires repair by the MMA manufacturer and reported to USAAMCOM Engineering.				
ALL C	8. Install Transmitter.				
ALL C	9. Close AFT dome.				
ALL C	10. Install Radome.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	11. On 12 MMA to DU attachment bolts, check for minimum run in torque of 6.5 in–lbs. Torque shall be applied in stages to pairs of bolts diametrically opposed at 90 degrees (at right angle) to the first pair. This shall be followed by pairs of bolts between first two pairs. The first stage shall snug the head of the bolt against the contacting structure. The second and third stages shall torque the bolts to 50 percent and 100 percent of specified installation torque consecutively.				
ALL **C**	12. Apply torque stripes as necessary to the following bolts and screws: 12 MMA to DU attachment bolts; 12 screws on baseplate attachment to pedestal shelf.				

PHASE NO. _____	Area Name and No. ARMAMENT MAIN ROTOR – 10	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
	13. Deleted.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
AFT EQUIPMENT BAY – 11			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware. Handholds for damage, structural integrity, and mounting security.				
ALL	2. Access doors for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges for damage, binding, and security. Latches and lanyards for security and proper operation. Seals for wear and deterioration.				
ALL **C**	3. Structural mating surfaces and fairings for worn or deteriorated seals and copper coat.				
ALL **C**	4. Tail rotor drive shaft and coupling bolts for proper installation. Verify torque on bolts.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. AFT EQUIPMENT BAY – 11	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	5. Tail rotor drive shaft forward and aft hanger bearings for cracks, corrosion, mounting security, and for radial looseness and smooth operation. Hanger bearings for smooth rotation. Verify drive shaft forward and aft hanger bearing supports for torque of attaching bolts.				
2,4 **C**	6. Main transmission heat exchangers and louver actuators for cracks, deformation and security.				
2,4 **C**	7. Fire extinguisher for dents and mounting security. Cartridges, fittings and valves for cracks, distortion and security. Check fire extinguisher charge pressure. Inspect discharge–indicating disk.				
2,4 **C**	8. Fire extinguisher outlets, tubing and fittings for cracks, dents, nicks, wear, chafing, distortion, and security. Inspect interior of tubes around “B” nut for corrosion.				
2,4 **C**	9. Fire extinguisher system check valves for interior corrosion, pitting, and evidence of evaporation				

”FOD REMINDER” Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. AFT EQUIPMENT BAY – 11	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	10. APU enclosure covers and panels for cracks. delamination, seal damage, loose or missing fastners, and security. Check for APU closure, chafing between bulkhead and deck.				
ALL	11. APU drive shaft and coupling for cracks, dents, distortion, corrosion, and evidence of interference.				
ALL	12. APU drive shaft coupling bolts for proper torque.				
ALL	13. APU mounts for cracks, dents, distortion, and corrosion. Remove APU and inspect the APU hardware, mounts, mounting lugs/surfaces for cracks, corrosion, and distortion or elongation.				
ALL	14. APU starter for cracks, leakage and security.				
ALL	15. APU combustor for cracks and burned-through areas.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. AFT EQUIPMENT BAY – 11	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	16. APU exhaust fairing for cracks, corrosion, and loose or missing hardware.				
ALL	17. Inspect APU clutch friction disc for wear.				
2,4 **C**	18. Change APU oil filter.				
ALL	19. Change APU fuel filter.				
ALL **C**	20. Flight control linkage for bent, cracked, or corroded push-pull rods. Rod ends for worn or seized bearings. Push-pull support brackets for cracks and security. Bellcranks for cracks, corrosion, worn or seized bearings, and evidence of interference.				
ALL **C**	21. Left and right engine inboard supports for cracks, distortion, corrosion, loose or missing hardware, and mounting security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. AFT EQUIPMENT BAY – 11	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	22. Catwalk and supporting structure for cracks, debonding, distortion, loose or missing hardware, and security. Walk-way coating for peeling and deterioration.				
ALL	23. Utliity accumulator tubing for leakage and security.				
ALL C	24. Utility hydraulic manifold for leakage, corrosion, loose connections, and security. Sight gage for proper fluid level. Check manifold air inlet check valve filter for cleanliness.				
ALL	25. Hydraulic manifold filter indicators for popped buttons.				
ALL	26. Primary and utility hydraulic ground service panels for security. Panel quick-disconnect couplings for fluid leakage.				
ALL	27. Replace primary GSE panel fluid filter.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. AFT EQUIPMENT BAY – 11	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	28. Vent utility accumulator hydraulic pressure by activating emergency hydraulic system and operating flight controls.				
ALL	29. Verify utility accumulator nitrogen pressure.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.		Aircraft Serial No.		Date	Total Hrs. This Area	
MID AND LOWER FUSELAGE – 12						
Inspect Phase Nos.	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**		**Initial**
ALL	1. Exterior skin for holes, cracks, dents, corrosion, loose or working rivets, and loose or missing hardware. Steps for damage, structural integrity, and mounting security.					
ALL	2. Access panels, fairings, and doors for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Door hinges for damage, binding, and security. Latches for security and proper operation. Seals and copper coat for wear and deterioration. Drain holes for obstructions.					
	3. Deleted.					
ALL	4. Interior components for mounting security and loose or missing hardware.					
ALL	5. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.					

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	6. Access B75R, B90, B120 fuselage turret cavity for cracks, corrosion, and distortion. Inspect for bent or misaligned stringers. Gun area bulkheads for web cracks.				
	7. Deleted.				
	8. Deleted.				
ALL **C**	9. Flight control rods and rod ends for dents, cracks, corrosion, security, and evidence of interference. Rod ends for worn or seized bearings.				
ALL **C**	10. Flight control bellcranks for cracks, corrosion and security. Brackets for mounting security and evidence of interference. Pivot bearings for looseness.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	11. Access B75R pilot decoupler (ARDD) units for cracks, corrosion, security, evidence of interference, looseness and lost motion.				
ALL C	12. LVDTS for cracks, corrosion, and mounting security. Wiring harnesses for loose connections, chafing, or deterioration and evidence of interference. Rod ends for worn and seized bearings.				
2,4 C	13. Ammo bay interior bulkheads for cracks, distortion, and corrosion. Check for bent or misaligned stringers.				
2,4 C	14. Ammo bay interior wing support structure for cracks, corrosion, loose or missing hardware, and security.				
ALL C	15. Ammo bay interior fuel cell stress panels for cracks, delamination, distortion, loose or missing hardware. Fuel vent tube for chafing and security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	16. Ammo bay interior mast strut support structure (transmission deck bottom corners) for cracks, distortion, and security.				
2,4 C	17. Ammo bay interior flight control servo actuator support structure (transmission deck bottom forward) for cracks, distortion, and security.				
2,4	18. Ammo bay interior fuel pumps and valves, pressure switches, manifold, couplings, connectors and fittings for leakage, cracks, loose connections and security.				
ALL	19. Ammo bay interior fuel lines, hoses, vent, and drain tubes for leakage, chafing, corrosion, and security. Refueling line coupling assemblies for torque strips and evidence of leakage.				
2,4	20. Ammo bay interior wiring harnesses for chafing, damaged insulation, and security.				

PHASE NO. _____	Area Name and No. MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	21. Ammo bay interior hydraulic lines for leakage, corrosion, mounting security, and chafing.				
2,4	22. Ammo magazine eye bolt support brackets for cracks, corrosion and loose or missing rivets. Inspect eye bolts for damage and security.				
ALL **C**	23. Nitrogen inert components for mounting security, loose or missing hardware. Inspect tubes, hoses, and break away values for damage and security. Filter drain for obstructions.				
ALL	24. Ammo bay panel for cracks, distortion, corrosion, and security. Panel latches for cracks, security, and alignment.				
2,4 **C**	25. Main landing gear cross tube for nicks, scratches, fractures, and corrosion.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	26. Aft stowage and avionics compartments for cleanliness, cracks, distortion, corrosion, loose or missing rivets or fastners. Seals and copper coat for deterioration and wear.				
2,4	27. Fuselage stowage compartments for cracks, distortion, corrosion, and loose or missing rivets and hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ARMAMENT MID AND LOWER FUSELAGE – 12			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Index drive, ejector cover, rotor, spacer, and eject guide for cracks, distortion, corrosion, nicks, gouges, and scouring, turn vertical drive shaft and check for binding.				
ALL	2. Bolt carrier for cracks, nicks, gouges, corrosion, and scouring.				
ALL	3. Forward track assembly for cracks, nicks, gouges, corrosion, and scouring.				
ALL	4. Recoil adapter for leakage and physical damage. Clamp halves for corrosion, cracks, and worn clamp pin holes.				
ALL	5. Blast suppressor for cracks, distortions and proper installation.				
ALL	6. Barrel for cracks and distortion. Barrel support for cracks.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	7. Driver motor terminal lug for physical damage and fraying wires. Cable guard for physical damage. Wire support clamps for cracks and wear. Wire harness for chafing. Drive motor for cracks and corrosion.				
ALL	8. Receiver assembly for cracks, distortion, burrs, nicks, gouges, and oil leakage. Turn vertical drive shaft and check for binding and corrosion.				
ALL	9. Hydraulic drive motor tube fittings and threads for distortion, cracks, and leakage.				
ALL	10. Hydraulic solenoid valve for leaks. Mounting bracket for cracks and distortion.				
ALL	11. Hydraulic actuator assembly mounting points for cracks and distortion.				
ALL	12. Electrical connectors and wires for breaks, fraying and bent or broken connector pins. None allowed.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	13. Azimuth drive assembly for cracks, bent or broken brackets. Excessive play or binding bearings and damaged drive gearbox cover.				
ALL	14. Mounting surfaces of fork and dust shield for cracks and distortion.				
ALL	15. Azimuth resolver assembly adapter and spur gear for cracks and distortions.				
ALL	16. Elevation resolver assembly adapter for cracks and distortion.				
ALL	17. Adapter mounting holes in trunnion shaft for cracks and stripped threads.				
ALL	18. Train rate sensor mounting point for cracks and distortions.				
ALL	19. Turret wiring and connections for breaks, fraying, and broken or bent pins.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	20. Turret mounting area for cracks and corrosion.				
ALL	21. Support cradle for bends and distortions.				
ALL	22. Trunnion bearing for damage.				
ALL	23. Support fork for damage, cracks, deep scratches in either leg and corrosion, damaged trunnion and threaded inserts.				
ALL	24. Gun turret gun cradle support fork shouldered shafts for corrosion, galling and excessive wear.				
ALL	25. Fork mounting area on azimuth housing and cradle for cracks, distortion, and stripped threads.				
ALL	26. Stow spring assembly mounting points for cracks, distortion, and corrosion.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. ARMAMENT MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	27. Ammo storage magazine mounts for cracks, damage, and corrosion.				
ALL	28. Magazine for loose or missing blind fastners, screws, cracks, and dents.				
ALL	29. Accelerator/merger assembly for cracks, loose or missing hardware, damage and corrosion.				
ALL	30. Carrier drive assembly left and right flex chutes for cracks, damage and corrosion.				
ALL	31. Carrier drive assembly hydraulic lines and hoses for damage and leakage.				
ALL	32. Carrier drive assembly connector for cracks, corrosion and bent or broken pins.				
ALL	33. Carrier drive servo manifold for cracks and damage.				

PHASE NO. _____	Area Name and No. ARMAMENT MID AND LOWER FUSELAGE – 12	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	34. Carrier drive guide support bracket, chute attach bracket, bracket assembly, upper and lower rounds guides for cracks, distortions, corrosion and helicoil inserts for damage.				
ALL	35. Ammo conveyor system for cracks, corrosion and proper adjustment.				
ALL	36. Remove conveyor assembly from aircraft. Check all feeders for cracks, bends, and elongated connecting holes. None allowed. Use ammunition tool kit.				
ALL	37. Area weapon system for evidence of hydraulic fuild leakage. Turret hoses and tubes for leakage, corrosion, and security. Wiring harnesses for loose connections, chafing and deterioration.				
ALL	38. Aft avionics equipment for mounting security, external damage, loose connectors. Wiring harnesses and clamps for chafing and deterioration.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ PHASED MAINTENANCE CHECKLIST

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
TAILBOOM – 13			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Exterior skin for holes, dents, cracks, corrosion, loose or working rivets, and loose or missing hardware. Steps for damage, structural integrity, and mounting security.				
ALL	2. Access panels and fairings for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Fairing, hinges and latches for damage, binding, security, and proper operation. Seals and copper coat for wear or deterioration.				
ALL	3. Interior components for mounting security and loose or missing hardware.				
ALL	4. Tailboom deck structure for cracks, distortion, corrosion, loose or working rivets, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. TAILBOOM – 13	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Tail rotor drive shaft and couplings for cracks, dents, distortion, corrosion, and evidence of interference.				
ALL C	6. Tail rotor drive shaft and coupling bolts for proper torque.				
ALL C	7. Drive shaft dampers for proper friction adjustment.				
ALL C	8. Tail rotor flight control rods for dents, cracks, corrosion, security, and evidence of interference. Check rod ends for worn or seized bearings.				
ALL C	9. Tail rotor flight control bellcranks for cracks, corrosion, security, and evidence of interference. Pivot bearing for looseness.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. TAILBOOM – 13	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	10. Tailboom interior hydraulic components and lines for leakage, dents, corrosion, chafing and security.				
2,4	11. Tailboom interior wiring harnesses for chafing, deterioration, and security.				
ALL C	12. Tailboom armor channels for cracks and loose or missing hardware.				
2,4 C	13. Tailboom splice (FS 436.5/476.6) for sheared or working rivets, corrosion, and cracked or deformed skin.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
EMPENNAGE, TAIL ROTOR, AND TLG – 14			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. **<u>CAUTION:</u> DO NOT USE TAIL ROTOR PUSHRODS AS HANDHOLDS.** Exterior skin for holes, dents, cracks, corrosion, loose or working rivets, and loose or missing hardware. Steps for damage, structural integrity, and mounting security.				
ALL	2. Access panels and fairings for deformation, cracks, corrosion, loose or working rivets, and loose or missing hardware. Lanyards for security and condition. Check for worn or deteriorated seals and copper coat.				
ALL	3. Structural flanges and fairings on vertical stabilizer for worn, non-adhering, or missing chafe tape.				
ALL	4. Interior structure for cracks, corrosion, loose or working rivets, and loose or missing hardware.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	5. Vertical stabilizer elastomeric mounts for cracks and distortion. Mounting bolts and barrel nuts for damage and security. Drain cavity for debris and obstructions.				
ALL C	5a. Vertical stabilizer mounting for security.				
2,4 C	6. Stabilizer navigation and formation lights for corrosion, loose or missing hardware, and security. Lenses for cracks, security, and discoloration. Wiring harnesses for loose connections and chafing. (Remove R578).				
2,4	7. Stabilizer radar warning antennas, GPS antenna, and FM-AM whip antenna for damage, mounting security, and condition of wiring. (Remove T545).				
2,4 C	8. Stabilizer spar box for cracks, corrosion, distortion, and loose or working rivets. (Access L530, L550).				
2,4 C	9. Hydraulic lines and couplings for leaks, cracks, chafing, and clamping security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4 C	10. Stabilizer trailing edge fairing for damage and corrosion.				
ALL C	11. Stabilizer structure and skin for cracks, dents, distortion, and loose or missing rivets and hardware.				
ALL C	12. Stabilator tip fairings for cracks and loose or missing screws.				
ALL C	13. Stabilator actuator assembly for damage and corrosion. Wiring for chafing, deterioration, and connection security. Stabilator and aircraft fittings for cracks, loose or missing hardware, and worn or seized bearings.				
ALL C	14. Stabilator position transducer for mounting security. Wiring for connection security and chafing.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	15. Stabilator pivot bolts, pivot bearings, and pivot bosses for cracks, distortion, corrosion, and cleanliness. Pivot bearings for looseness. (Remove stabilator).				
ALL **C**	16. Intermediate gearbox housing, input and output retainers for cracks, distortion, and security. Check for grease leakage and evidence of overheating (discoloration). Gearbox mount fittings for cracks and distortion.				
2,4 **C**	17. Intermediate gearbox mounting bolts for proper torque.				
ALL **C**	18. Intermediate gearbox cooling fins, shroud, and defuser for cracks and distortion. Impeller for cracks and loose or missing hardware.				
ALL **C**	19. Intermediate gearbox thermistors for insulation damage, grease leakage, and security. Wire harness splices for security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
2,4	20. Intermediate gearbox wiring harness for loose connections, chafing, or deterioration.				
ALL **C**	21. Tail rotor drive shaft and couplings for cracks, dents, distortion, and corrosion.				
ALL **C**	22. Tail rotor drive shaft and coupling bolts, verify torque.				
ALL **C**	23. Tail rotor gearbox brace for loose, worn or seized bearings, cracked or broken fittings, cracked strut, and loose or missing hardware.				
ALL **C**	24. Tail rotor gearbox housing, and input and output retainers for cracks, distortion, security. Check for grease leakage and evidence of overheating (discoloration).				
ALL	25. Tail rotor gearbox mount fittings for cracks and distortion.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	26. Tail rotor gearbox mounting studs, verify torque.				
2,4	27. Tail rotor gearbox thermistors for insulation damage, grease leakage, and security. Wire harness splices for security, loose connections, chafing and deterioration.				
ALL C	28. Tail rotor flight control rods for dents, cracks. corrosion, security, and evidence of interference. Check rod ends for worn or seized bearings.				
ALL C	29. Tail rotor pitch change links for dents, cracks, corrosion, security, evidence of interference, worn or seized bearings, and tolerance wear limits.				
2,4 C	30. Tail rotor flight control bellcranks for cracks, corrosion, security, and evidence of interference. Pivot bearings for looseness.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	31. Tail rotor flight control servo cylinder for leakage, cracks, and corrosion. Rod end and base clevis for bearing damage and attachment security. Rod end for looseness. Rubber boot for cuts, tears, and deterioration. Inspect servo cylinder control linkage hardware for damage and security.				
ALL **C**	32. Tail rotor swashplates for cracks and corrosion. Looseness between stationary and rotating swashplates. Check -901 swashplate.				
ALL **C**	33. Tail rotor head for cracks, distortion, corrosion, and security. Attaching studs for looseness. Check free play measurement on -9/-13 tail rotor swashplates.				
ALL **C**	34. Tail rotor fork yoke teetering bearings for cracks, separation, and deterioration. Bearing center studs for bending and looseness.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	35. Tail rotor fork for proper indexing, three studs from the tail rotor gearbox output shaft for wear and three nuts found on those studs for torque. Torque to 60 foot-pounds.				
ALL **C**	36. Tail rotor root blade bolt heads and nuts for cracks and looseness. (PLI Method)				
ALL **C**	37. Tail rotor blade spars and root finger doublers for delamination.				
ALL **C**	38. Tail rotor blade leading edge for cracks, dents, distortion, and erosion. Leading edge tips for loose or missing hardware.				
ALL **C**	39. Tail rotor blade bushings (inside root fittings) for looseness. Dust boots for damage, misalignment, and security.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. EMPENNAGE, TAIL ROTOR, AND TLG – 14	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	40. Tail landing gear arms for cracks, distortion, and security. Pivot pin, bolts, and bushings for looseness.				
ALL	41. Tail landing gear wheel lock actuator for leakage, cracks, and security. Check locking handle and linkage for free movement, full travel, and lateral looseness.				
ALL **C**	42. Tail landing gear wiring harness for loose connections, chafing, or deterioration.				
2,4 **C**	43. Repack Tail Landing Gear wheel bearings.				
ALL **C**	44. Tail landing gear shock strut for leakage, cracks, distortion, and corrosion. Rod ends for worn or seized bearings.				
2,4 **C**	45. Tail boom end frame (F.S. 547.15) for cracks, corrosion, worn or seized bearings and bushings, loose or working rivets.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
POST CONDITIONS AND POWER ON CHECKS – 15			

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. Install mast mounted assembly. (if required).				
ALL	2. Install main rotor blades.				
ALL	3. Install conveyor assembly.				
ALL	4. Install gun turret assembly.				
ALL	5. Install ammo magazine.				
ALL	6. Lubricate ammunition handling subsystem.				
ALL	7. Adjust ammunition handling subsystem.				
ALL	8. Repanel aircraft.				
ALL	9. Install store jettison cartridges.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. POST CONDITIONS AND POWER ON CHECKS – 15	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	10. Start APU.				
ALL **C**	11. Perform ARDD 250 hour inspection.				
ALL **C**	11a. Perform 250 hour scheduled inspection: BUCS servocylinders.				
ALL **C**	12. Flight controls actuated through full stop-to-stop ranges. Main and tail rotor pitch change functions for full travel, control response, binding, looseness and noisy operation.				
ALL **C**	13. Perform battery charger operational check.				
ALL **C**	14. Operate fuel boost pump for fuel pressure light.				
ALL **C**	15. Perform fuel system leak-check.				
ALL **C**	16. Stabilator actuated through full travel range for smooth operation with no lost motion or binding.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. POST CONDITIONS AND POWER ON CHECKS – 15	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	17. Forward and aft avionics bay cooling fans for smooth operation.				
ALL C	18. Perform windshield anti-ice system operational check.				
ALL C	19. Operate rotor brake for brake, lock, and off operational modes.				
ALL C	20. Perform pitot heat check.				
ALL C	21. Perform tail rotor and intermediate gearbox alarm 250 hour inspection				
	22. Deleted.				
ALL C	23. Start both engines.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. POST CONDITIONS AND POWER ON CHECKS – 15	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	24. Perform HIT checks on both engines.				
ALL C	25. Perform drives MOC for main transmisson and nose gearbox transducers, temperature probes, and oil pressure transducers.				
ALL C	26. Operate engine anti-ice system. Verify rise in engine TGT.				
ALL C	27. Check ECS for adequate air flow and maximum heat and cold outputs in both pilot and CPG stations.				
ALL C	28. Perform engine chop operational check. TM 1-1520-251-MTF.				
ALL C	29. Ensure that all entries on forms, records, and work sheets have been completed or updated and new forms initiated as required, and/or have been carried forward on a DA Form 2408-13 or DA Form 2408-14 in accorance with DA Pam 738-751.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. POST CONDITIONS AND POWER ON CHECKS – 15	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	30. Perform post-inspection maintenance operational checks (MOC). After the completion of any required corrective actions to any of the components of a functional system of the aircraft. MOCs shall be performed on the system to determine the effectiveness of the maintenance actions performed and to verify the proper operation of the system. These MOC's shall be performed in accordance with the IETM. Copies of supplemental sheets (DA Form 4676-R) may be used to record and sign off the maintenance operational checks performed.				
ALL **C**	31. Perform post-inspection maintenance operational checks (MOC), as required. Perform MOC's on aircraft systems or components that have been disturbed during the inspection. MOC's shall be performed in accordance with the IETM.				
ALL **C**	32. Perform 10 hour/14 day inspection.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____	Area Name and No. POST CONDITIONS AND POWER ON CHECKS – 15	Aircraft Serial No.	Date

Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	33. Perform post-inspection MTF in accordance with TM 1-1520-251-MTF and TM 1-1520-328-23.				
	34. Deleted.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

PHASE NO. _____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
FINAL INSPECTION REQUIREMENTS			

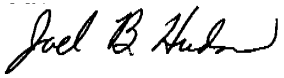
Inspect Phase Nos.	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL **C**	1. Final records check for completion of AH-64D helicopter phased maintenance inspection.				
ALL **C**	2. Complete final records check in automated phase manual.				
	3. Deleted.				
	4. Deleted.				

"FOD REMINDER" Check work area for tools and parts after completion of maintenance and inspections.

By Order of the Secretary of the Army:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff

OFFICIAL:



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
0210101

DISTRIBUTION:
To be distributed in accordance with Initial Distribution Number (IDN 314046) requirements for TM 1-1520-251-PM.

These are the instructions for sending an electronic 2028

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" <whomever@wherever.army.mil>
To: 2028@redstone.army.mil

Subject: DA Form 2028

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

This is the text for the problem below line 27.

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25–30; the proponent agency is ODISC4.	Use Part II (*reverse)* for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/ Supply Manuals (SC/SM)	DATE 8/30/02
TO: (*Forward to proponent of publication or form)(Include ZIP Code)* Commander, U.S. Army Aviation and Missile Command ATTN: AMSAM–MMC–MA–NP R eds t one A r s enal, AL 35898	FROM: (*Activity and location)(Include ZIP Code)* MSG, Jane Q. Doe 1234 Any Street Nowhere Town, AL 34565	

PART 1 – ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS

PUBLICATION/FORM NUMBER	DATE	TITLE
TM 9–1005–433–24	16 Sep 2002	Organizational, Direct Support, And General Support Maintenance Manual for Machine Gun, .50 Caliber M3P and M3P Machine Gun Electrical Test Set Used On Avenger Air Defense Weapon System

ITEM NO.	PAGE NO.	PARA–GRAPH	LINE NO. *	FIGURE NO.	TABLE NO.	RECOMMENDED CHANGES AND REASON
1	WP0005 PG 3		2			Test or Corrective Action column should identify a different WP number.

** Reference to line numbers within the paragraph or subparagraph.*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/ AUTOVON, PLUS EXTENSION	SIGNATURE
MSG, Jane Q. Doe, SFC	788–1234	

TO: (*Forward direct to addressee listed in publication)*	**FROM:** (*Activity and location) (Include ZIP Code)*	**DATE**
Commander, U.S. Army Aviation and Missile Command ATTN: AMSAM–MMC–MA–NP R eds t one A r s enal, AL 35898	MSG, Jane Q. Doe 1234 Any Street Nowhere Town, AL 34565	8/30/02

PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER	DATE	TITLE

PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III – REMARKS (*Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE
MSG, Jane Q. Doe, SFC	788–1234	

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25–30; the proponent agency is ODISC4.	Use Part II (*reverse)* for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/ Supply Manuals (SC/SM)	DATE
TO: (*Forward to proponent of publication or form)(Include ZIP Code)* Commander, U.S. Army Aviation and Missile Command ATTN: AMSAM-MMC-MA-NP Redstone Arsenal, AL 35898	FROM: (*Activity and location)(Include ZIP Code)*	

PART 1 – ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS

PUBLICATION/FORM NUMBER	DATE	T I T LE

ITEM NO.	PAGE NO.	PARA–GRAPH	LINE NO. *	FIGURE NO.	TABLE NO.	RECOMMENDED CHANGES AND REASON

** Reference to line numbers within the paragraph or subparagraph.*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/ AUTOVON, PLUS EXTENSION	SIGNATURE

TO: (*Forward direct to addressee listed in publication)* Commander, U.S. Army Aviation and Missile Command ATTN: AMSAM-MMC-MA-NP Redstone Arsenal, AL 35898	**FROM:** (*Activity and location) (Include ZIP Code)*	**DATE**

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PART III – REMARKS (*Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE

The Metric System and Equivalents

Linear Measure

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

Weights

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

Liquid Measure

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

Square Measure

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

Cubic Measure

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

Approximate Conversion Factors

To change	*To*	*Multiply by*	*To change*	*To*	*Multiply by*
inches	centimeters	2.540	ounce–inches	newton–meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.452	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound–feet	newton–meters	1.356	metric tons	short tons	1.102
pound–inches	newton–meters	.11296			

Temperature (Exact)

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

PIN: 073278