TM 55-1520-228-PM

TECHNICAL MANUAL

OH-58A/C AIRCRAFT
PHASED MAINTENANCE CHECKLIST

This manual supersedes those portions of TM 55-1520-228-PMS, 24 **September** 1976, that pertain to Periodic **Inspections.**

This copy is a reprint which includes current pages from Changes 1 through 16, 17, 18 [illegible] 20, 21, 22

HEADQUARTERS, DEPARTMENT OF THE ARMY

1 SEPTEMBER 1978

CHANGE

NO.24

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 7 February 1997

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

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

TM 55-1520-228-PM, 1 September 1978, 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
2-1 and 2-2	2-1 and 2-2
2-5 and 2-6	2-5 and 2-6
2-11 and 2-12	2-11 and 2-12
2-23 and 2-24	2-23 and 2-24

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

By Order of the Secretary of the Army:

DENNIS J. REIMER
General, United States Army
Chief of Staff

Official:

JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
----- 03100

DISTRIBUTION:

To be distributed in accordance with DA Form 12-31-E, block no. 0232, requirements for TM 55-1520-228-PM.

CHANGE

NO. 23

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 17 JUNE 1996

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

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

TM 55-1520-228-PM, 1 September 1978, 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
1-1 through 1-8	1-1 through 1-4
1-13 and 1-14	1-13 and 1-14
1-15/(1-16 blank)	- - - - - - -
2-1 and 2-2	2-1 and 2-2
2-5 and 2-6	2-5 and 2-6
2-23 and 2-24	2-23 and 2-24
2-45 and 2-46	2-45 and 2-46
. . . . .	Electronic 2028 Instructions
DA Forms 2028	DA Forms 2028

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

By Order of the Secretary of the Army:

DENNIS J. REIMER
General, United States Army
Chief of Staff

Official:

JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
01875

DISTRIBUTION:

To be distributed in accordance with DA Form 12-31-E, block no. 0232, requirements for TM 55-1520-228-PM.

URGENT

TM 55-1520-228-PM
C 22

CHANGE
NO. 22

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 12 AUGUST 1993

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

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

TM 55-l520-228-PM, 1 September 1978, 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
1–3 through 1-6	1–3 through 1-6
1-13 and 1-14	1-13 and 1-14
2-1 and 2-2	2-1 and 2-2
2-11 and 2-12	2-11 and 2-12
2-17 and 2-18	2-17 and 2-18
2-23 and 2-24	2-23 and 2-24
2-41 and 2-42	2-41 and 2-42
2-49 and 2-50	2-49 and 2-50

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

By Order of the Secretary of the Army:

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:

MILTON H. HAMILTON
Administrative Assistant to the
Secretary of the Army
04902

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31-E, block no. 0232, requirements for TM 55-1520-228-PM.

CHANGE

NO. 21

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 31 December 1992

OH-58A/C AIRCRAFT
PHASED MAINTENANCE CHECKLIST

TM 55-l520-228-PM, 1 September 1978, is charged as follows:

Approved for public release; distribution is unlimited

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
2-1 and 2-2	2-1 and 2-2
2-17 and 2-18	2-17 and 2-18
2-46.1 and 2-46.2	2-46.1 and 2-46.2

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

By Order of the Secretary of the Army:

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:

Milton H. Hamilton

MILTON H. HAMILTON
Administrative Assistant to the
Secretary of the Army
03171

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31-E, block no. 0232, requirements for TM 55-1520-228-PM.

CHANGE
NO. 20

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 22 August 1991

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM. 1 September 1978, 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
2-15 and 2-16	2-15 and 2-16
2-17 and 2-18	2-17 and 2-18
2-47 and 2-48	2-47 and 2-48

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

By Order of the Secretary of the Army:

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:

PATRICIA P. HICKERSON
Colonel, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31-E, block no. 0232, PM requirements for TM 55-1520-228-PM.

CHANGE
NO. 19

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 4 April 1991

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228–PM, 1 September 1978, is changed as follows:

1. Disregard Change 18. Page 16 was inadvertently printed on page 17. Change 19 will correct this error.

2. 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
2-15 and 2-16	2-15 and 2-16
2–17 and 2-18	2-17 and 2-18

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

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

THOMAS F. SIKORA
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION :
To be distributed in accordance with DA Form 12-31-E, block no. 0187, PM maintenance requirements for TM 55-1520-228-PM.

TM 55-l520-228-PM
C 18

CHANGE NO. 18

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 22 February 1991

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, 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
1-5 and 1-6	1-5 and 1-6
2-16 and 2-17	2-16 and 2-17

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

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

THOMAS F. SIKORA
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION :
To be distributed in accordance with DA Form 12-31-E, block no 0232 PM requirements for TM 55-1520-228-PM.

CHANGE
NO. 17

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 18 October 1990

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, 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
1-1 through 1-4	1-1 through 1-4
2-1 and 2-2	2-1 and 2-2
2-4.1/2-4.2	2-4.1/2-4.2
2-5 and 2-6	2-5 and 2-6
2-9 through 2-16	2-9 through 2-16
2-17 through 2-20	2-17 through 2-20
2-21 through 2-34	2-21 through 2-34
2-37 through 2-46	2-37 through 2-46
2-46.1/2-46.2	2-46.1/2-46.2
2-47 through 2-50	2-47 through 2-50

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

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

THOMAS F. SIKORA
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM requirements for OH-58A and OH-58C Helicopter, Observation.

CHANGE
NO. 16

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 31 May 1990

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, 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 hand.

Remove pages	Insert pages
1-13 through 1-15/1-16	1-13 through 1-15/1-16
2-4.1/2-4.2	2-4.1/2-4.2
2-5 and 2-6	2-5 and 2-6
2-17 and 2-18	2-17 and 2-18
2-21 through 2-24	2-21 through 2-24
2-31 and 2-32	2-31 and 2-32
2-37 through 2-40	2-37 through 2-40

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

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

WILLIAM J. MEEHAN II
Brigadier General, United States Army
The Adjutant Genenal

DISTRIBUTION :
To be distributed in accordance with DA Form 12-31, PM Maintenance requirements for OH-58A and OH-58C Helicopter, Observation.

CHANGE
NO. 15

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 14 October 1988

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, 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 hand.

Remove pages	Insert pages
1-3 through 1-6	1-3 through 1-6
1-9 and 1-10	1-9 and 1-10
1-13 and 1-14	1-13 and 1-14
2-1 through 2-4	2-1 through 2-4
2-9 and 2-10	2-9 and 2-10
2-15 and 2-16	2-15 and 2-16
- - -	2-16.1/2-16.2
2-21 and 2-22	2-21 and 2-22
2-25 and 2-26	2-25 and 2-26
2-31 and 2-32	2-31 and 2-32
2-35 and 2-36	2-35 and 2-36
2-41 and 2-42	2-41 and 2–42
2-45 and 2-46	2-45 and 2-46
2-46.1/2-46.2	2-46.1/2-46.2

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

By Order of the Secretary of the Army:

CARL E. VUONO,
General, United States Army
Chief of Staff

Official:

WILLIAM J. MEEHAN II
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION :
To be distributed in accordance with DA Form 12-31, PM requirements for OH-58A and OH-58C Helicopter, Observation.

URGENT

TM 55-1520-228-PM
C 14

CHANGE
NO. 14

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 10 November 1987

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, 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
2-25 and 2-26	2-25 and 2-26

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

By Order of the Secretary of the Army:

CARL E. VUONO,
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM requirements for OH-58A and OH-58C Helicopter, Observation.

URGENT

URGENT

NOTICE: THIS CHANGE HAS BEEN PRINTED AND DISTRIBUTED OUT OF SEQUENCE. IT SHOULD BE INSERTED IN THE MANUAL AND USED. UPON RECEIPT OF THE EARLIER SEQUENCED CHANGE INSURE A MORE CURRENT CHANGE PAGE IS NOT REPLACED WITH A LESS CURRENT PAGE.

TM 55-1520-228-PM
C 13

CHANGE NO. 13

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 9 March 1987

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, 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 miniautre pointing hand.

Remove pages	Insert pages
2-37 through 2-42	2-37 through 2-42

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

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM Maintenance requirements for OH-58A and OH-58C Helicopter, Observation.

URGENT

CHANGE
NO. 12

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGSTON, D.C., 27 March 1987

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-l52O-228-PM, 1 September 1978, 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
Section II	2-11 and 2-12	2-11 and 2-12
	2-25 through 2-32	2-25 through 2-32

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

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM requirements for OH-58A Helicopter, Observation and OH-58C Helicopter, Observation.

CHANGE
No. 1 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 9 January 1984

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, is changed as follows:

1. Remove and insert pages as indicated below,

	Remove pages	Insert pages
Section I	1-3 thru 1-10	1-3 thru 1-10
	1-13 and 1-14	1-13 and 1-14
Section II	2-11 and 2-12	2-11 and 2-12
	2-29 thru 2-32	2-29 thru 2-32
	2-49 and 2-50	2-49 and 2-50

2. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

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

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major GeneraI, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM Maintenance Requirements for OH-58 and OH-58C aircraft.

URGENT

TM 55-1520-228-PM
C 10

CHANGE
No. 10

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., *11 January 1983*

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, is changed as follows:

1. Remove and insert pages as indicated below:

	Remove pages	Insert pages
Section II	2-43 and 2-44	2-43 and 2-44

2. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

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

By Order of the Secretary of the Army:

E. C. MEYER
General. United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM Maintenance Requirements for OH-58 and OH-58C aircraft.

URGENT

CHANGE
No. 9

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 29 April 1982

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, is changed as follows:

1. Remove and insert pages as indicated below.

	Remove pages	Insert pages
Section I	1-1 thru 1–4	1–1 thru 1–4
Section II	2-7 thru 2-10	2-7 thru 2-10
	2-19 and 2-20	2-19 thru 2-20.1/2-20.2
	2-21 thru 2-24	2-21 thru 2-24
	2-27 and 2-28	2-27 and 2-28
	2-31 thru 2-38	2-31 thru 2-39

2. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

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

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERTM.JOYCE
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM Maintenance Requirements for OH-58 and OH–58C aircraft.

U.S. Government Printing Office: 1982-564-029/1166

URGENT

TM 55-1520-228-PM
C 8

CHANGE
No. 8

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *16 November 1981*

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

TM 55-1520-228-PM, 1 September 1978, is changed as follows:

1. Remove and insert pages as indicated below.

	Remove pages	Insert pages
Section II	2-11 and 2-12	2-11 and 2-12
	2-39 and 2-40	2-39 and 2-40
	2-45 and 2-46	2-45 thru 2-46.1/2-46.2

2. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

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

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31, PM Maintenance Requirements for OH-58 and OH-58C aircraft.

URGENT

TM 55-1520-228-PM

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 1 September 1978

OH-58A/C AIRCRAFT

PHASED MAINTENANCE CHECKLIST

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 REQUIRE. MENTS FOR PERFORMING PHASED MAINTENANCE AND MUST BE PERFORMED. THE CUMULATIVE EFFECTS OF INSPECTION DEFERRALS ARE UNKNOWN AND COULD RESULT IN CATASTRO PHIC 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.

SECTION I - GENERAL INFORMATION

1-1. PHASED SCHEDULE.

This phased maintenance inspection checklist contains requirements for inspection of the OH-58 shaft on a phased schedule having a 1200 hour (flight hours) cycle with 300 hour phases. Each requirement included herein is designated for accomplishment at least once. but not more than four times during the 1200 hour cycle.

1-2. 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 maybe 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 letter "C" in the Inspected Phase No's column along with the DA Form 2408-18 (Equipment Inspection Record) items that are due constitute the MINIMUM mandatory inspections required on helicopters scheduled for imminent deployment to, or stationed in a combat environment. Under no circumstances will two combat phase inspections be performed sequentially. When aircraft are operated beyond the normal inspection duetime because of such emergency situations. a circled red X status symbol and an appropriate statement (to include authority) must be entered in Block 10 of DA Form 2408-13 (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 actual 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 0fficer to increase the scope and/or frequency of maintenance or inspection as necessary to insure safe operation (TM 1-1500-328-23).

1-3. 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.

1-4. 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's TM 55-1520-228-23 series maintenance manuals.

1-5. 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.

1-6. PRE-INSPECTION MAINTENANCE TEST FLIGHT (MTF).

A pre-inspection MTT 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.

1-7. SPECIAL INSPECTION, CALENDAR INSPECTIONS AND LUBRICATION REQUIREMENTS.

Special inspections, calendar inspections and lubrication requirements contained in TM 55-1520-228-23 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.

1-8. TIME BETWEEN OVERHAUL (TBO) AND RETIREMENT LIFE ITEMS CHECK.

Prior to start of the applicable phased maintenance inspection, a check will be made of components and their remaining operating hours prior to removal, The latest issue TM 55-1520-228-23 and DA Form 2408-16 shall be referred to for a complete listing of components and their TBO and retirement life.

1-9. USING THE PHASED INSPECTION CHECKLIST.

a. A new checklist shalt 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.

b. This checklist pertains to all OH-58A/C aircraft 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.

1-10. PHASE NUMBERS.

In the column headed "Inspection Phase No's" and adjacent to the sequence number on 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 300 hour interval) of the 1200 hour cycle. The numbers represent the phase number at which the inspection requirement is to be accomplished. For example, if the numbers 2 and 4 are shown, this indicates that inspection requirement is to be accomplished at phases 2 and 4 only (or at every 600 hour interval). If only one number is indicated, then that inspection requirement is accomplished at that phase (or at every 1200 hour interval). At the completion of phase 4 the cycle starts over with phase 1.

1-11. 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. A Final Records Checklist (table 1-2) 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 or record on the Final Records Checklist. The initials entered shall be registered on the Signature Sheet (table 1-1) adjacent to that person's signature.

1-12. SIGNATURE SHEET.

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

1-13. 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.

1-14. MAINTENANCE TEST FLIGHT.

When all required inspections in Section II have been accomplished and initialed in accordance with 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 55-1520-228-MTF and TM 55-1500-328-23 using the MTF form in the MTF technical manual. A suggested maintenance test flight checksheet (figure 1-4) and a rotor smoothing record (figure 1-5) are provided at the end of Section I.

1-15. CHECKLIST DISPOSITION.

The completion of each phase maintenance inspection shall be recorded on DA Form 2408-13 and DA Form 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, and filed for the six month period, these records will be destroyed as prescribed by DA PAM 738-751.

1-16. INSPECTION AREAS.

Figure 1-2 reflects the inspection areas of the OH-58 aircraft. Those areas are titled as shown. Figure 1-3 shows the location of access doors and panels which require removal at various phased maintenance inspections.

NOTE

During any inspection of the aircraft or components, the person making the inspection should pay particular attention to areas prone to corrosion, When corrosion is found, a prime consideration is to evaluate what corrective action will be required to correct the discrepancy. Corrosion repair and treatment can be time consuming, and for this reason, early evaluation is essential for good aircraft maintenance planning. This evaluation will assist in determining if sheet metal or aircraft mechanics will be necessary to make the needed repair. In cases where corrosion has exceeded the acceptor reject criteria, material replacement will be necessary. For material replacement refer to TM 1-1500-204-23, General Aircraft Maintenance Manual. For corrosion treatment refer to TM 55-1500-344-23, Corrosion Control for Army Aircraft and for painting, refer to TM 55-1500-345-23, Painting and Marking of Army Aircraft. If corrosion is found and not covered by applicable TM's submit a DA Form 2028, Recommended Changes to Equipment Technical Publications, or an Equipment Improvement Recommendation (EIR) where a design change is necessary.

1-17. 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), or DA Form 2028-2 located in the back of this manual direct to Commander, US Army Aviation and Troop Command, ATTN: AMSAV-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply wilI be furnished to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

PAGES 1-5 THROUGH 1-8 AND FIGURE 1-1 (SHEETS 1 THROUGH 3) DELETED.

1-18. MAINTENANCE TEST FLIGHT.

When all required inspections in Section H 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 55-1520-228-MTF and TM 55-1500-328-23 using the MTF form in the MTF technical manual. A suggested maintenance test flight checksheet (fig. 1-4) and a rotor smoothing record (fig. 1-5) are provided at the end of Section I.

1-19. CHECKLIST DISPOSITION.

The completion of each phase maintenance inspection shall be recorded on DA Form 2408-13 and DA Form 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, and filed for the six month period, these records will be forwarded to: Corpus Christi, Army Depot, ATTN: ATCOM, AMSAT-I-MED (STOP 55), Corpus Christi, TX 78419-6195.

1-20. INSPECTION AREAS.

Figure 1-2 reflects the inspection areas of the OH-58 aircraft. ‘Those areas are titled as shown. Figure 1-3 shows the location of access doors and panels which require removal at various phased maintenance inspections.

NOTE

During any inspection of the aircraft or components, the person making the inspection should pay particular attention to areas prone to corrosion. When corrosion is found, a prime consideration is to evaluate what corrective action will be required to correct the discrepancy. Corrosion repair and treatment can be time consuming, and for this reason, early evaluation is essential for good aircraft maintenance planning. This evaluation will assist in determining if sheet metal or aircraft mechanics will be necessary to make the needed repair. In cases where corrosion has exceeded the accept or reject criteria, material replacement will be necessary. For material replacement refer to TM 1-1500-204-23, General Aircraft Maintenance Manual. For corrosion treatment refer to TM 55-1500-344-23, Corrosion Control for Army Aircraft and for painting, refer to TM 55-1500-345-23, Painting and Marking of Army Aircraft. If corrosion is found and not covered by applicable TM’s submit a DA Form 2028, Recommended Changes to Equipment Technical Publications, or an Equipment Improvement Recommendation (EIR) where a design change is necessary.

1-21. REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS.

You can 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), or DA Form 2028-2 located in the back of this manual directly to Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, Missouri 63120-1798. A reply will be furnished to you.

PHASE NO. 1 — **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
PYLON - 9 (RIGHT SIDE)	67-6771	4 JUN 79	

Inspect Phase No.s	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
3	1. Pylon center fairing for cracks and missing or stripped fasteners. Seals for cuts, tears and bonding separation. Access 11		THIS ITEM NOT APPLICABLE TO PHASE NO. 1	N/A	
1,3	2. Upper pylon access doors for cracks, dents and security. Latches for proper operation. Seals for cuts, tears and bonding separation. Access 12	DR	DOOR LATCH BROKEN A/P	REPLACED LATCH INSP - OK Jack Thomas TI	
			DOOR HAS CRAK MAR LOWER LATCH A/P (Continued on supplemental sheet)	STOP DRILLED CRACK AND INSTALLED STIFFNER	
ALL	3. Transmission access doors for cracks, dents and proper alignment. Latches for proper operation. Seals for cuts, tears and bonding separation. Access 11		SEAL ON DOOR TRANS A/P	REPLACED SEAL	
ALL	4. Transmission access door hinges for wear, cracks, corrosion and proper adjustment. Access 11		EXAMPLE	INSPECTED - OK	

EXAMPLE OF TWO FAULTS IN ONE 6-LINE BLOCK

HEAVY LINE ADDED TO SEPARATE FAULTS WITHIN A 6 LINE BLOCK

TECH INSP SIGNED OFF

INDIVIDUAL PERFORMING INSPECTION INITIALS IMMEDIATELY AFTER FAULT WRITE-UP

"FOD REMINDER"

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

Figure 1-1. Example of Using Phased Maintenance Checklist (Sheet 1 of 3)

PHASE NO. 1	Area Name and No. PYLON - 9 (LEFT SIDE)	Aircraft Serial No. 67-6771	Date 4 JUN 79

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	63. Air induction baffle for cracks, distortion and loose or missing fasteners. Access 11			INSPECTED - OK	
	64 UNCORRECTED FAULT FROM DA FORM 2405-13 REQUIRED ENTRY	/	SPOT PAINT NEEDED LEFT SIDE OF PYLON (30 OCT 78)		
	INSPECTION ITEM ADDED TO AVAILABLE SPACE ON A CHECK-LIST PAGE				
			EXAMPLE		
			ENTRIES SHOWN ABOVE ARE FICTITIOUS AND ARE INTENDED ONLY TO ILLUSTRATE USAGE OF CHECKLIST FORMS.	INDIVIDUAL PERFORMING CORRECTIVE ACTION INITIALS IN INITIAL BLOCK	

"FOD REMINDER"

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

Figure 1-1. Example of Using Phased Maintenance Checklist (Sheet 2 of 3)

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: 9 Nov 78

PHASE NO	AREA NAME AND NUMBER	AIRCRAFT SERIAL NO	TOTAL HOURS THIS AREA
1	PYLON-9 (RIGHT SIDE)	67-15476	

INSPECT AREA NO	INSPECT ITEM NO	INSPECTION REQUIREMENTS	STATUS	FAULTS AND/OR REMARKS	ACTION TAKEN	INITIAL
9R	2	(CONTINUED)	✓	Access door seals are cut, torn, and coming unbonded. AK	Replaced	mpe
		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 1 Dec 77 4676-R

Figure 1.1. Example of Using Phased Maintenance Checklist (Sheet *3 of 3*)

Table 1-1. 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 1-2. Final Records Checklist.

This checklist is provided to insure the indicated forms and records have been inspected for presence, completeness, legibility and accuracy prior to releasing the aircraft from a phase 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			
DA FORM 2408-14			
DA FORM 2408-18		DA FORM 2408-15	
TM 55-1520-228-PMD		DA FORM 2408-16	
		DA FORM 2408-17	
TM 55-1520-228-MTF			
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	

Area No.	Area Title
1	Nose and Crew Compartment
2	Passenger Compartment
3	Aft Equipment Shelf
4	Transmission and Pylon
5	Main Rotor
6	Engine
7	Aft Fuselage and Avionics
8	Tail Boom
9	Tail Rotor
10	Tail Rotor Drive Train
11	Bottom Fuselage and Landing Gear

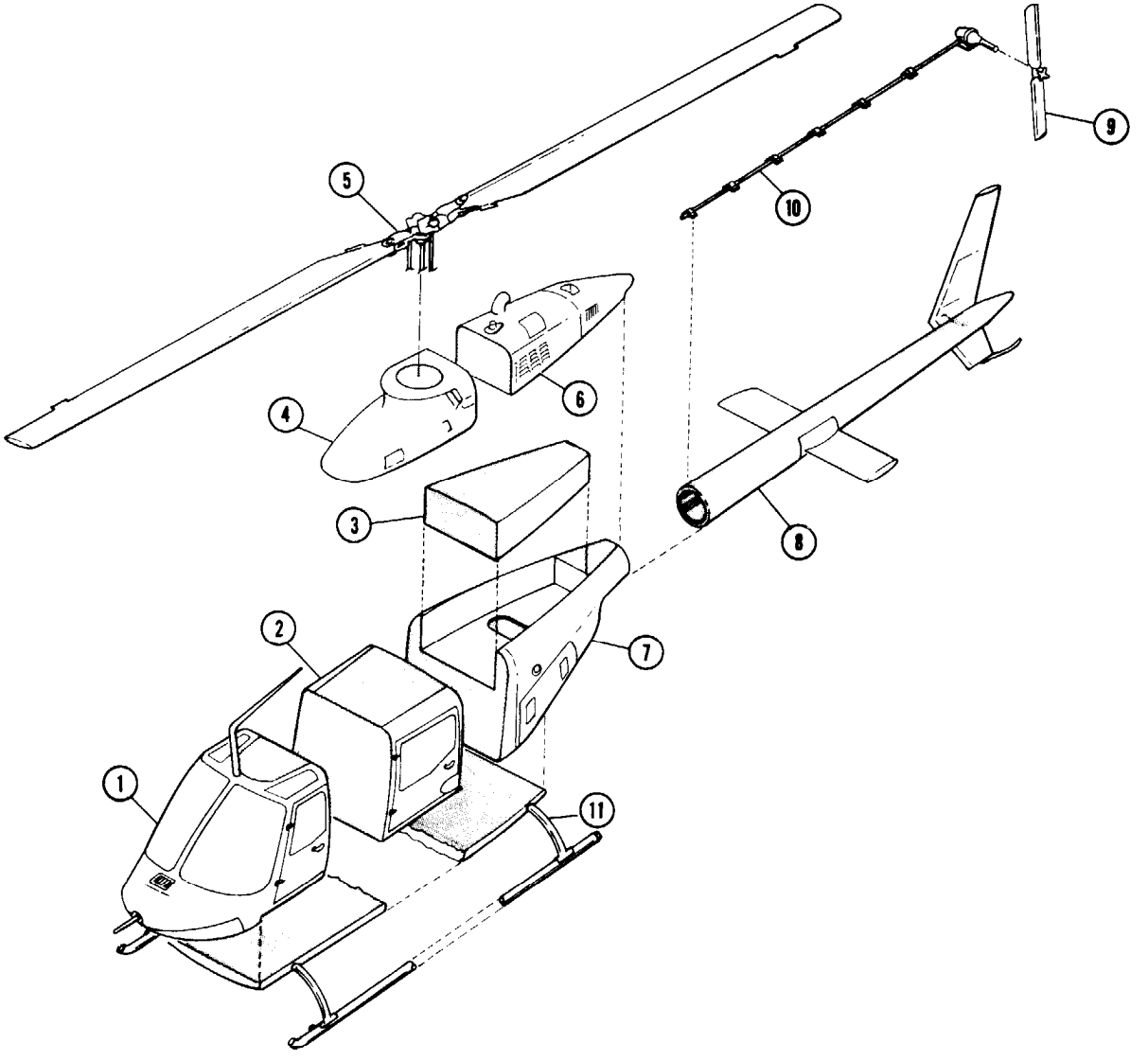
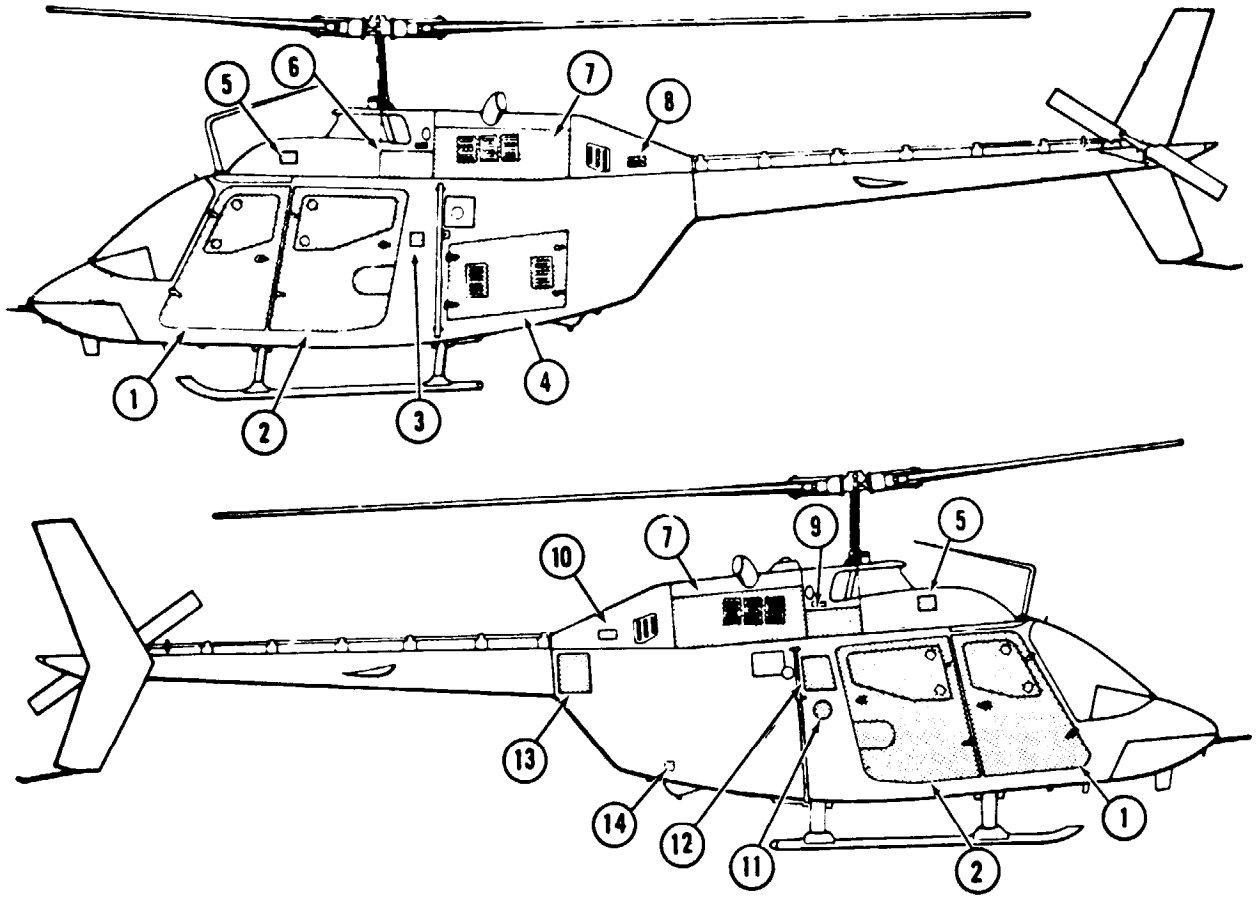


Figure 1-2. Inspection Areas.



1. Crew Door
2. Passenger Door
3. Step Cover
4. Avionics Compartment Door
5. Forward Transmission Fairing Inspection
6. Transmission Induction Fairing Access Door
7. Engine Cowl Side Panel
8. Oil Tank Drain Access Door
9. Transmission Oil Level Access Door
10. Engine Oil Filler Cap Access Door
11. Fuel Tank Filler Cup
12. Access Panel
13. Tail Boom Inspection Panel
14. External Power Connector Access Door

Figure 1-3. Model OH-58 Access and Inspection Provisions

OH-58 MTF CHECKLIST

PURPOSE OF TEST FLIGHT:	ACFT S/N: DATE:
PILOT:	UNIT:

SYMBOLS: ✓ = SATISFACTORY X = DEFICIENCY

■	**PRIOR TO MAINTENANCE TEST**		6. ENGINE RESPONSE
■	**FLIGHT**	■	**INFLIGHT CHECKS**
	1. FORMS AND RECORDS		1. CONTROL RIGGING
	2. FLIGHT READINESS INSPECTION		2. AUTOROTATION
■	**BEFORE STARTING ENGINE**		ROTOR_____RPM
	CHECKS		3. ENGINE PERFORMANCE
	1. FAT_____°C		CHECK
	2. ALTIMETER		PA_____FAT_____
	3. WARNING LIGHTS		TORQUE_____N_1_____
	4. CAUTION LIGHTS		TOT_____
■	**STARTING ENGINE AND RUNUP**		4. HYDRAULIC OFF
■	**CHECKS**		UP_____PSI
	1. START		DOWN_____PSI
	PEAK TOT_____°C		5. VIBRATION ANALYSIS
	START TIME_____		6. FLIGHT INSTRUMENTS
	2. CYCLIC		AIRSPEED___MAG COMP_____
	3. COLLECTIVE		IVSI_____RBI_____
	4. HYDRAULIC SYSTEM		ATT IND_____CLOCK_____
	5. ENGINE IDLE SPEED CHECK		TURN & SLIP_____
	6. GOV RPM SWITCH		7. AVIONICS
	7. COMPRESSOR BLEED VALVE		XPDR_____VHF_____
	START CLOSE_____%N_1		ADF_____UHF_____
	FULL CLOSED_____%N_1		FM #1_____KY-28_____
	8. TORSIONAL OSCILLATION		FM #2_____T-SEC 1/A_____
	9. FUEL PUMP	■	**ENGINE SHUTDOWN CHECKS**
	10. ENGINE DE-ICE		1. BATTERY
	11. INSTRUMENTS		2. INSTRUMENTS
	ENG OIL PRESS_____PSI		ENG OIL PRESS_____PSI
	ENG OIL TEMP_____°C		ENG OIL TEMP_____°C
	TORQUE_____PSI		TORQUE_____PSI
	TOT_____°C		TOT_____°C
	N_1_____%		N_1_____%
	12. HIT		3. ROTOR RPM LIGHT AND AUDIO
■	**AIRCRAFT HOVER CHECKS**		CHECK_____%
	1. HOVER POWER		4. POST TEST FLIGHT INSP
	TORQUE_____PSI		5. COMPLETE UPDATE FORMS
	TOT_____°C		& RECORDS
	N_1_____%		6. SPECIAL EQUIPMENT LIST
	2. FLIGHT CONTROLS		1.
	3. PYLON ISOLATION MOUNT		2.
	4. PRIMARY DIRECTIONAL CONTROL		3.
	5. POWER CYLINDER		4.

Figure 1-4. Suggested Format of Maintenance Test Flight Checksheet

ROTOR SMOOTHING RECORD

RED BLADE SERIAL NUMBER						RED BLADE SERIAL NUMBER				
ADJUSTMENT NUMBER	TAB	ROLL	BALANCE	EFFECT		ADJUSTMENT NUMBER	TAB	ROLL	BALANCE	EFFECT
1						1				
2						2				
3						3				
4						4				
5						5				

REMARKS

PILOTS SIGNATURE

Figure 1-5. Suggested Format of Rotor Smoothing Record

PAGE 1-15/(1-16 BLANK) DELETED.

MAINTENANCE INSPECTION CHECKLIST (SUPPLEMENTAL SHEET)

(For use of this form, see DA Pamphlet 738–751; the proponent agency is Deputy Chief of Staff for Logistics (DCSLOG).)

TM	DATE
55–	

INSPECTION NO	AREA NAME AND NUMBER	AIRCRAFT SERIAL NO	TOTAL HOURS THIS AREA

AREA AND INSP REQ NO	INSPECTION REQUIREMENTS	STATUS	FAULTS AND/OR REMARKS	ACTION TAKEN	MAN-HOURS	INITIAL

"FOD REMINDER"

Check work area for tools and parts after completion of maintenance and inspection

DA FORM 4676-R, DEC 84 EDITION OF DEC 77 IS OBSOLETE. PAGE

SECTION II- INSPECTION CHECKLIST

NOTE

PRIOR TO 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 REGULAR FLIGHT CREW OF THE AIRCRAFT. THE MTF IS RECOMMENDED TO ASSESS THE AIRCRAFT PERFORMANCE AND IDENTIFY DEFICIENCIES THAT SHOULD BE CORRECTED WHILE THE AIRCRAFT IS UNDERGOING PHASED INSPECTION.

PHASE NO._____ PHASED MAINTENANCE CHECKLIST

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
GENERAL			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. Prior to inspection, check aircraft forms and records for recorded deficiencies (Table 1-2).				
ALL	2. Check for honeycomb panel voids on airframe prior to starting phase and submit DA Form 2404 on voids exceeding TM limits in accordance with TB 43-0002-3.				
ALL	3. Fuel tanks shall be fully serviced 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	4. Perform avionics system inspection checks and test in accordance with applicable avionics systems publications.				
ALL	5. Check circuit breakers, switches, and knobs for security and proper operation.				

"FOD REMINDER"

Check work area for tools and parts after completion on maintenance and inspection.

PHASE NO._____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
NOSE AND CREW COMPARTMENT - 1			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Crew doors jettison mechanism functionally checked. Mechanism parts for wear, corrosion and cracks.				
ALL	2. Armor plates for cracks, delamination and security.				
ALL	3. Pilot/copilot seat frames for cracks, distortion and security. Seat and seat back covers for tears and other damage. Installation date must be legible and correct.				
ALL	4. Pilot and copilot safety belts for cuts and fraying. Attachment fittings for condition, proper operation and security.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. NOSE AND CREW COMPARTMENT - 1	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
1,3	5. Pilot and copilot safety belt retarder springs for proper operation.				
ALL	6. Pilot and copilot shoulder harness for cuts and fraying. Retarder springs for proper operation. Attachment fittings for condition and security.				
ALL	7. Inertia reel straps for cuts and fraying.				
1,3	8. Pilot and copilot inertia reels for security, binding, positive locking and unlocking.				
1,3	9. Collective stick friction checked using spring scale.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. NOSE AND CREW COMPARTMENT - 1	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	9.1. All collective stick jack shaft supports for damage.				
ALL	9.2. Collective stick friction adjuster for damage and proper operation.				
ALL	10. Cyclic stick friction adjuster for damage and proper operation.				

"FOD REMINDER"

Check work area for tools and parts afster completion of maintenance and inspection.

PHASE NO._____	Area Name and No. NOSE AND CREW COMPARTMENT - 1	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	11. Throttle control cable assembly for binding and security.				
ALL C	12. Collective jackshaft for damage, corrosion and security. Bearings for binding or excessive wear.				
ALL C	13. Cyclic torque tube for cracks, distortion, corrosion and security. Bearings for binding or excessive wear.				
ALL C	14. Cyclic control pivot assembly for damage, corrosion and security. Bearings for binding or excessive wear.				
ALL C	15. FLIGHT CONTROL PUSH-PULL TUBES FOR CHAFING, CORROSION AND SECURITY. BEARINGS FOR BINDING OR EXCESSIVE WEAR.				

PHASE NO._____	PHASED MAINTENANCE CHECKLIST				
Area Name and No. NOISE AND CREW COMPARTMENT -1		Aircraft Serial No.	Date	Total Hrs. This Area	
Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	16. Vulnerability reduction flight control system bellcrank, electromechanical cable assemblies and cannon plugs for damage, chafing, binding and security. (OH-58C)				
ALL	16.1 Directional control pedals and bell-cranks for freedom of movement. Check pedal adjustment of ease of operation.				
1,3	16.2 Inspect force gradient assembly IAW TM55-1520-228-23-2, Chapter 11.				
ALL	17. Heater air ducts for cracks, cuts, tears and security.				
ALL	18. Instrument panel glare shield for cracks and security.				
ALL	19. Engine and flight instruments for proper range markings and slippage.				

"FOD REMINDER"

Check work area for tools and parts after completion on maintenance and inspection.

PHASE NO._____	Area Name and No. NOSE AND CREW COMPARTMENT - 1	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	20. Pitot and static lines for chafing, security and loose connections.				
ALL	21. Heat control knob for condition, binding and security.				
ALL	22. Electrical wiring for chafing and loose or corroded connections.				
ALL	23. Crew area floor for punctures, cracks, bonding separation and cleanliness.				
1,3	24. Nose section structure for cracks, corrosion and damage.				

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

PHASE NO._____	Area Name and No. NOSE AND CREW COMPARTMENT - 1	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	25. WSPS Windshield Deflector for damage and security.				

"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
PASSENGER COMPARTMENT - 2			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Passenger doors jettison mechanism functionally checked. Mechanism parts for wear, corrosion and cracks.				
ALL	2. Passenger seat belts for cuts and fraying. Attachment fittings for condition, proper operation and security.				
1,3	3. Passenger seat safety belt retarder springs for proper operation.				
ALL	4. Passenger shoulder harness for cuts and fraying. Retarder springs for proper operation. Attachment fittings for condition and security.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. PASSENGER COMPARTMENT - 2	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Flight control push-pull tubes for chafing, corrosion and security. Bearing for binding or excessive wear. Inspect cap angles (four long corner extrusion support angles) for buckling and bending. (Access Center Post)				
ALL C	6. **COLLECTIVE LINK ASSEMBLY FOR DAMAGE AND SECURITY. BEARINGS FOR BINDING OR EXCESSIVE WEAR.** (Access Center Post)				
ALL C	7. **FLIGHT CONTROL BELLCRANKS FOR DAMAGE, CONDITION OF BEARINGS AND SECURITY.** (Access Center Post)				
ALL C	8. Throttle control cable assembly for condition and security. (Access Center Post)				
ALL	9. Heat control cable for condition and security.				

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

PHASE NO._____	**Area Name and No.** PASSENGER COMPARTMENT -2			**Aircraft Serial No.**	**Date**
Inspect Phase No's	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**	**Initial**
ALL	10. Heater air ducts for cracks, cuts and security.				
ALL	11. Electrical wiring for chafing, condition and security.				
ALL	12 Passenger compartment floor for punctures, cracks, bonding separation and cleanliness.				
1,3	13. Passenger compartment structure for cracks, corrosion and damage. applicable avionics systems publications.				
ALL	14. Remove seat back panel and inspect fuel cell access area for leakage. Retorque bolts on access cover.				

"FOD REMINDER"

Check work area for tools and parts after completion on maintenance and inspection.

2-11 C24

PHASE NO. _____	Area Name and No. PASSENGER COMPARTMENT - 2	Aircraft Serial No.	Date

Inspect Phase No"s	Inspection Requirements	Stgatus	Faults and/or Remarks	Action Taken	Initial
	15. Deleted				
	16. Deleted.				
ALL C	17. The visible portion of the four **pylon supports on the upper cabin roof beam, including their straps** (.080-.090 thick), which are riveted to the underside of the supports and cabin structure, for cracks. (Remove insulation blankets and structural panels.)				

"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
AFT EQUIPMENT SHELF - 3			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. TAIL ROTOR CONTROL PUSH-PULL TUBES FOR CHAFING, CORROSION AND SECURITY. BEARINGS FOR BINDING OR EXCESSIVE WEAR.				
ALL C	2. TAIL ROTOR CONTROL BELLCRANKS FOR DAMAGE, CONDITION OF BEARINGS AND SECURITY.				
ALL	3. Vulnerability reduction control cable for condition and security. (OH-58C)				
ALL C	4. Throttle control cable assembly for condition and security.				

"FOD REMINDER"

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

PHASE NO. _____	Area Name and No. AFT EQUIPMENT SHELF - 3	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	5. Heat control cable for condition and security.				
ALL	6. Heater and oil cooler air ducts for cracks, cuts, tears and security.				
ALL	7. Electrical wiring for chafing and loose or corroded connections.				
1,3	8. Electrical system components for condition and security.				
1,3	9. Fuselage structure for cracks, corrosion and damage.				

"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
TRANSMISSION AND PYLON - 4			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Forward transmission fairing for cracks, punctures and missing or stripped fasteners. (Remove Fairing)				
ALL	2. Transmission cowling doors for cracks, dents and alignment. Hinges and fasteners for wear and proper operation.				
ALL	1. Induction fairing for cracks, wear and loose or missing fasteners.				
ALL	3. Induction fairing doors for cracks, dents and alignment. Hinges and latches for wear and proper operation.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. TRANSMISSION AND PYLON -4	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Clean particle separator.				
ALL	5.1 Sand and dust separator for cracks, punctures, loose or missing hardware and security. Particle ejection openings for obstructions.				
ALL	5.2 Inspect plenum chamber for air leaks: inspect particle separator to induction fairing for fit and sealing. Firewall to induction fairing for fit and sealing. Inspect bellmouth to firewall for fit and sealing.				
ALL	6. Engine air inlet bellmouth for damage and obstructions, and plenum area for loose or foreign objects. (Remove induction fairing.)				
ALL	7. Eductor tubes for cuts, tears, cracks and security.				
1,3	8. Roof skin for cracks, punctures, loose or missing rivets. Paint for chipped or peeling condition.				

"FOD REMINDER"

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

PHASE NO. _____	Area Name and No. TRANSMISSION AND PYLON - 4	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
A l l	1. Drag pin assembly on transmission for proper engagement with static stop on cabin roof. Check for damage and foreign objects in well of static stop and spherical bearing for wear. (Access 6)				

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

PHASE NO._____	Area Name and No. TRANSMISSION AND PYLON - 4	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	10. Inspect isolation mount (All P/N's) for security and damage.				
ALL	11. Transmission input quill seal for leakage.				
ALL C	12. Main drive shaft (P/N 206-040-100-1 3) remove and disassemble for complete inspection IAW TM 55-1520-228-23.				
ALL C	12.1 Main drive shaft P/N SKCP2348-5(206-040-371-111) visually inspect only IAW TM 55-1520-228-23. No disassembly authorized.				
ALL C	13. N_2 torque tube assembly for distortion, corrosion and security.				
ALL C	14. N_2 push-pull rod for damage, binding, worn bearings and security.				

"FOD REMINDER"

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

PHASE NO. _____	Area Name and No. TRANSMISSION AND PYLON - 4	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	15. Hydraulic servo actuator support for cracks, corrosion and security.				
ALL	16. Hydraulic system servo actuators for excessive leakage and security.				
ALL	17. Servo actuator slotted head bolts through pilot input lever (sloppy links) for freedom to rotate and security.				
ALL C	18. Exposed portion of hydraulic piston rods wiped clean and lightly lubricated using a soft cloth moistened with preservative hydraulic fluid.				
ALL	19. Hydraulic lines for chafing, leakage and security of connections.				

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

Area Name And No. | Aircraft Serial No. | Date

PHASE NO. _____

TRANSMISSION AND PYLON - 4

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	20. *Flight control* push-pull tubes for damage, binding or worn bearings and security.				
ALL C	21. Flight control bellcranks for damage, condition of bearings security.				
ALL C	22. Collective lever (at transmission) for cracks, corrosion and security. Bearings for binding or excessive wear.				
ALL C	23. Transmission oil lines for chafing, leakage and security of connections.				
ALL	24. WSPS Upper Cutter Assembly for damage and security.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. TRANSMISSION AND PYLON - 4	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faultss and/or Remarks	Action Taken	Initial
1,3	25. Pylon support links for cracks, wear and security.				
1,3	26. Torque, pylon support fittings, mounting nuts.				
ALL	27. Swashplate and support assembly for visible damage and security. Connecting linkage for binding or worn bearings.				
ALL	28. Main rotor mast seal. Check at swashplate support drain holes for evidence of leakage.				
ALL	29. Swashplate boot for cuts, tears, deterioration and security.				

"FOD REMINDER"

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

PHASE NO. _____ | Area Name and No. TRANSMISSION AND PYLON - 4 | Aircraft Serial No. | Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/of Remarks	Action Taken	Initial
ALL	30. Swashplate uniball for specified friction.				

Check work area for tools and parts after completrion of maintenance and inspection.

PHASE NO. _____	Area Name and No. TRANSMISSION AND PYLON — 4	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	31. Swashplate duplex bearing for smoothness Disconnect idler link and rotor pitch links Free lower end of boot. Rotate outer ring in both directions. NOTE Do not allow blades and grips to rotate on the yoke.				
ALL	32. Main rotor mast (exposed portion) for chafing, nicks, scratches and cleanliness.				
ALL	33. Electrical wiring for chafing and loose or corroded connections.				
	34. Deleted.				

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

PHASE NO. ____	Area Name and No.	Aircraft Serial No.	Date

Inspect Phase No's	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.

PHASE NO._____ PHASED MAINTENANCE CHECKLIST

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
MAIN ROTOR -5			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. Visually inspect pitch change links for cracks, distortion and damage. If damage is found reference TM 55-1520-228-23.				
ALL	2. Main rotor static stops for corrosion, distortion and broken or missing safety wire.				
ALL C	3. Main rotor pitch horns for corrosion, cracks and security. Trunnion bearings for binding or excessive wear.				
ALL C	4. Main rotor hub grip for cracks, corrosion, leakage and security.				

"FOD REMINDER"

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

PHASE NO._____	PHASED MAINTENANCE CHECKLIST			
Area Name and No. MAIN ROTOR -5	Aircraft Serial No.	Date	Total Hrs. This Area	

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Main rotor blades for cracks, dents corrosion, security and condition of paint. Pay particular attention for corrosion in the area of the inertia weight retention screw heads.				
ALL C	6. Visually inspect the main rotor yoke assembly for cracks between the pillow block bores and lower flange on inboard and outboard surfaces and if inspection by flashlight reveals a crack indication using fluorescent penetrant. If crack is confirmed, remove yoke assembly from service.				
ALL C	7. Main rotor pillow block retention bolts and nuts for security. Replace nuts and bolts if slippage marks have moved. If slippage has not occurred, retorque nuts to proper torque limits IAW TM 55-1520-228-23, paragraph 5-84.				
	8. Deleted.				

"FOD REMINDER"

Check work area for tools and parts after completion on maintenance and inspection.

***U.S. GOVERNMENT PRINTING OFFICE: 1997 554-024/60067**

PHASE NO. _____ PHASED MAINTENANCE CHECKLIST

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
ENGINE - 6			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Engine cowl assembly for cracks, punctures and loose or missing fasteners. Latches for proper operation.				
ALL	2. Aft fairing assembly for cracks, punctures and loose or missing fasteners.				
ALL C	3. Exhaust stacks for cracks and burned spots. Stack clamps for cracks, corrosion and security.				
ALL	4. Exhaust collector support for cracks. Cracks are not repairable, replace the engine.				
2,4	5. Engine fire walls for cracks, dents and loose or missing fasteners. Sealing strips for cuts, tears, deterioration and security.				

"FOD REMINDER"

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

PHASE NO. _____	Area Name and No. ENGINE - 6	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
1,3	6. Engine compressor inlet guide vanes for excessive erosion and nicks.				
2,4	7. Accessory gearbox housing for leakage, cracks, corrosion and security.				
ALL	3. Anti-icing actuator for corrosion and security.				
ALL	9. Anti-icing push-pull tube for damage and secure connections.				
ALL C	10. N_2 push-pull rod for damage, binding, worn bearings and security.				

"FOD REMINDER"

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

PHASE NO. _____	Area Name and No. ENGINE - 6	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	11. N_2 bell crank for damage, condition of bearings and security.				
ALL	12. Deleted				
ALL C	13. Burner drain valve for security.				
ALL	14. Igniter plug removed, checked and cleaned. NOTE DO not remove igniter plug while fuel nozzle is removed.				
2,4	15. Turbine outlet thermocouple for chafing, worn insulation and security.				

"FOD REMINDER"

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

PHASE NO._____ Area Name and No. ENGINE - 6 Aircraft Serial No. Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	16. Turbine outlet temperature system checked using Jet-Cal analyzer.				
ALL C	17. Power control cable boot for cuts, tears, cracks and security. Insure that the inside is not gummy.				
ALL C	18. Power control cable assembly for wear, binding and security.				
ALL C	19. Power control cable rigid connecting links and bellcrank for corrosion, cracks and security. Bearings for binding or excessive wear.				
ALL C	20. Fuel control (NI) lever bolt hole for elongation, upper bolt holes on rigid connecting link (that connects to fuel control lever) for elongation. Insect bolt on fuel control lever and on fuel control bellcrank to engine deck bracket for fretting, corrosion, and wear.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. ENGINE - 6	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	21. Starter generator removed and brushes checked for wear and freedom of movement. Brush leads for deterioration or chafing. Commutator for arcing, presence of oil or metal particles. Electrical connections for security. Screen for security of attachment.				
ALL C	22. Starter drive spline for excessive wear.				
ALL C	23. Fuel nozzle removed, checked and cleaned. NOTE Do not remove fuel nozzle while igniter plug is removed.				
ALL C	24. Fuel lines and hoses for chafing, leakage and security of connections. Apply required torque at all connections.				

PHASE NO. _____	Area Name and No. ENGINE - 6	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	25. Engine assembly for corrosion, evidence of leakage or other obvious external damage.				
ALL C	26. Drive coupling disc assemblies for distortion, cracks and security.				
2,4	27. Oil cooler blower for cracks, dents and security. Blower air intake for foreign material and clogging. (Access 8)				
ALL	28. Oil cooler air duct for cuts, tears, punctures and security.				
ALL	29. Oil lines for chafing, leakage and security of connections.				

PHASE NO. _____	Area Name and No. ENGINE -6	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	30. Electrical wiring for chafing and loose or corroded connections.				
2,4	31. Engine and oil cooler decks for cracks, punctures and loose or missing rivets. Paint for chipped or peeling condition.				
ALL	32. Check nuts attaching engine mounts to engine mount fittings for security and cotter pin installation. Torque nuts on bolts attaching engine mounts to airframe.				
2,4	33. Engine area structure for cracks, corrosion and loose or missing rivets.				
ALL C	34. Perform engine fuel system pneumatic leak check including around governor diaphram (TM 55-2840-241-23 for OH-58C or TM 55-2840-231-23 for OH-58A).				

PHASE NO._____	Area Name and No. ENGINE-6	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	35. All engine oil and air hoses and tubing for damage and security. Apply required torque at all connections. Inspect PC filter.				
ALL	36. Inspect oil tank attaching hardware and support for leaks, damage and security.				
ALL C	37. Bleed air lines for chafing leakage and security of connections.				
ALL C	38. Inspect fuel shut-off valve internally for foreign objects to ensure fuel path is not restricted.				
ALL C	39. Inspect fuel shut-off valve to assure the valve is fully open and fully closed when actuated by the cockpit fuel shot-off lever.				

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
AFT FUSELAGE AND AVIONICS - 7			

Inspect Phase No's	Inspection Requirements	Status	Fault and/or Remarks	Action Taken	Initial
1,3	1. Aft fuselage skin for cracks, punctures and loose or missing rivets. Paint and decals for chipped or peeling condition.				
ALL	2. Access panels for punctures, cracks, corrosion and missing screws.				
ALL C	3. Tail boom attachment fittings for corrosion, cracks and loose rivets. Bolts for torque stripe alignment. (Access 13)				
ALL C	4. Tail rotor control push-pull tubes for chafing, corrosion and security. Bearings for binding or excessive wear.				

"FOD REMINDER"

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

PHASE NO. _____	Area Name and No. AFT FUSELAGE AND AVIONICS -7	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	5. Tail rotor control bellcranks for damage, condition of bearings and security.				
ALL	6. Vulnerability reduction control cable for condition, chafing and binding. (OH-58C)				
ALL C	7. Pressurized fuel line for chafing, leakage and security of connections. Apply required torque at all connections. (Access 12)				
	8. Deleted.				
1,3	9. Closed circuit refueling unit for cracks. Seals for cuts or evidence of leakage. Sleeve for free rotation. Lanyard for fraying and security.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. AFT FUSELAGE AND AVIONICS - 7	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	10. Avionics compartment floor for corrosion, cracks, punctures, bonding separation and cleanliness.				
ALL	11. Oil cooler air duct for cuts, tears, punctures and security.				
ALL	12. Heater air ducts for cracks, cuts, tears and security.				
ALL	13. Engine oil drainlines for chafing and security of connections.				
ALL	14. Fuel drain lines, hoses, and fittings for chafing, deterioration, corrosion, and security of connections.				

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

PHASE NO. _____ | Area Name and No. AFT FUSELAGE AND AVIONICS - 7 | Aircraft Serial No. _____ | Date _____

Inspect Phase No's	Inspection Requirements	Fault and/or Remarks	Action Taken	Initial
ALL	5. Electrical wiring for chafing and loose or corroded connections.			
1,3	6. Aft fuselage structure for cracks, corrosion and loose or missing rivets.			
ALL	7. Antennas and attaching *screws.* Assure that sealant around base and attachinq screws are not missing or deteriorated.			
ALL	8. Retorque upper clamp on fuel supply hose inside fuel cell, refer to Table 7-3, TM 55-1500-204-25-1. Not applicable if MWO 55-1520-228-30-32 has been incorporated.			

PHASE NO. _____ PHASED MAINTENANCE CHECKLIST

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
TAIL BOOM - 8			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	1. Tail boom structure for cracks, corrosion and loose or missing rivets.				
ALL	2. Tail cone for cracks and security.				
2, 4 C	3. Hanger bearing mounts for damage and security.				
ALL C	4. Tail rotor control push-pull tubes for chafing, corrosion and security. Bearings for binding or excessive wear.				

"FOD REMINDER"

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

PHASE NO. _____ | Area Name and No. TAIL BOOM - 8 | Aircraft Serial No. | Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Tail rotor control bellcranks for damage, condition of bearings and security.				
ALL	6. Vulnerability reduction system bellcrank, electro-mechanical disconnect, cable assemblies and cannon plug for damage, chafing, binding and security. If installed, OH-58C.				
ALL	7. Electrical wiring for chafing and loose or corroded connections.				
ALL	8. Tail rotor drive shaft cover for cracks, punctures, and loose or missing fasteners. Latches for proper operation.				

"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
TAIL ROTOR - 9			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. Non-rotating control linkage at tail rotor gearbox for damage and security. Bearings for binding or worn condition. Control tube and bushing for alignment of vent holes.				
ALL C	2. Pitch change tube (exposed portion) for damage, corrosion and security. Boot for cuts, tears, deterioration and security.				
ALL C	3. Tail rotor crosshead for corrosion and security.				
ALL C	4. Tail rotor pitch link for corrosion and security. Bearings for binding and excessive wear.				

"FOD REMINDER"

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

PHASE NO. _____ | Area Name and No. | Aircraft Serial No. | Date

TAIL ROTOR - 9

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Tail rotor pitch horn for damage and security. Pitch horn link stud for security.				
ALL C	6. Tail rotor hub for damage and security.				
ALL C	7. Tail rotor blade bearings for binding and excessive wear.				
2,4 C	8. Tail rotor hub trunnion removed for inspection of bearings, liners and thrust bushings. Not required after compliance with MWO 55-1520-228-50-25.				
2,4 C	9. Tail rotor hub trunnion bearing housings turned 180 degrees to unworn side of Teflon bearing. Do not interchange bearing locations. Replace bearing housings and bearings when both sides are worn. Not required after compliance with MWO 55-1520-228-50-25.				

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

PIN: 035316 016

PHASE NO._____	Area Name and No. TAIL ROTOR - 9	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	
2,4 and C	10. Tail rotor hub, yoke, bearing liner and trunnion inspected for cracks using fluorescent-penetrant method. Not required after compliance with MWO 55-1520-228-50-25.				
ALL C	11. Tail rotor hub and blade assembly rebalanced statically or using Vibrex.				
ALL C	12. Tail rotor hub trunnion friction (preload) adjusted and assembly static balanced. Not required after compliance with MWO 55-1520-228-50-25.				
ALL C	13. Tail rotor rigging checked. Refer to TM 55-1520-228-23.				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No.	Aircraft Serial No.	Date

Inspect Phase No's	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.

PHASE NO._____ **PHASED MAINTENANCE CHECKLIST**

Area Name and No.	Aircraft Serial No.	Date	Total Hrs. This Area
TAIL ROTOR DRIVE TRAIN - 10			

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. Tail rotor gearbox and filler plug for oil contamination, leakage, cracks, corrosion, and gearbox retaining nuts for proper torque.				
ALL	2. Drive coupling disc assemblies for distortion, cracks and security.				

"FOD REMINDER"

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

2-43 C17

PHASE NO. ________	Area Name and No.	Aircraft Serial No.	Date

Inspect Phase No's	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.

PHASE NO._____	PHASED MAINTENANCE CHECKLIST				
Area Name and No. BOTTOM FUSELAGE AND LANDING GEAR — 11		Aircraft Serial No.	Date	Total Hrs. This Area	
Inspect Phase No's	**Inspection Requirements**	**Status**	**Faults and/or Remarks**	**Action Taken**	**Initial**
1,3	1. Lower fuselage skin for cracks, punctures and loose or missing rivets. Paint and decals for chipped or peeling condition.				
1,3	2. Lower fuselage structure for cracks, corrosion, bonding separation, and loose or missing rivets.				
ALL C	3. Landing gear crosstubes for cracks, dents and excessive spread.				
1,3 C	4. Landing gear fitting assembly for wear, cracks, corrosion and security.				

"FOD REMINDER"

Check work area for tools and parts after completion on maintenance and inspection.

PHASE NO._____	Area Name and No. BOTTOM FUSELAGE AND LANDING GEAR - 11	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Landing gear strap assemblies for wear, cracks, alignment and security.				
ALL C	6. Landing gear skid tubes for cracks distortion and wear.				
ALL C	7. Landing gear skid shoes for excessive wear, cracks and security.				
ALL	8. WSPS lower cutter assembly for damage and security.				
ALL	9. Fuel sump for condition, security, loose connection and evidence of leaks.				

PHASE NO.	Area Name and No. LUBRICATION	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirement	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. Lubrication will be completed in accordance with TM 55-1520-228-23.				

"FOD REMINDER"

Check work area for tools and parts after completion of maintenance and inspection

U.S. GOVERNMENT PRINTING OFFICE: 1993 -755 -120/60090

PHASE NO._____ PHASED MAINTENANCE CHECKLIST

Area Name and No. POWER ON CHECKS		Aircraft Serial No.		Date	Total Hrs. This Area	
Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken		Initial
ALL C	1. Engine chip detectors circuit for continuity by shorting out chip detector, to check warning light operation.					
ALL C	2. Transmission chip detectors circuit for continuity by shorting out chip detector, to check warning light operation.					
ALL C	3. Tail rotor gearbox chip detector circuit for continuity by shorting out chip detector, to check warning light operation.					
ALL	4. Particle separator for proper operation by checking for positive airflow from ejector ports. (TM 55-1 520-228-23)					

PIN: 035316-020

"FOD REMINDER"

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

PHASE NO. _____	Area Name and No. POWER ON CHECKS	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	5. Anti-icing actuator for proper operation.				
ALL C	6. Fuel shutoff valve outlet port for leakage.				
ALL C	7. Check to insure that the engine fuel pump filter bypass switch lights the caution light when fuel filter pressure switch is in the bypass mode.				

PHASE NO. _____ PHASED MAINTENANCE CHECKLIST

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

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL C	1. Ascertain 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 DA Form 2408-13 or DA Form 2408-14.				
ALL C	2. Perform post-inspection maintenance operational checks (MOC) as required, in accordance with TM 55-1500-328-25.				
ALL C	3. Perform a Daily inspection in accordance with TM 55-1520-228-PMD				
ALL C	4. OH-58A only. Accomplish fuel control max speed stop check (TM 55-2840-231-23 and TM 55-1520-228-MTF).				

"FOD REMINDER"

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

PHASE NO._____	Area Name and No. FINAL INSPECTION REQUIREMENT	Aircraft Serial No.	Date

Inspect Phase No's	Inspection Requirements	Status	Faults and/or Remarks	Action Taken	Initial
ALL	5. Maintenance Test Flight required IAW TM 1-1500-328-23 and TM 55-1520-228-MTF.				
ALL	6. Post-flight check/inspection required IAW TM 1-1500-328-23 and TM 55-1520-228-MTF.				

"FOD REMINDER"

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

★ U. S. GOVERNMENT PRINTING OFFICE: 1993-755-120/60519

By Order of the Secretary of the Army:

BERNARD W. ROGERS
General, United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-31 PM Maintenance Requirements for OH-58 and OH-58C aircraft.

*U.S. GOVERNMENT PRINTING OFFICE: 1990 - 262-842/25174

These are the instructions for sending an electronic 2028

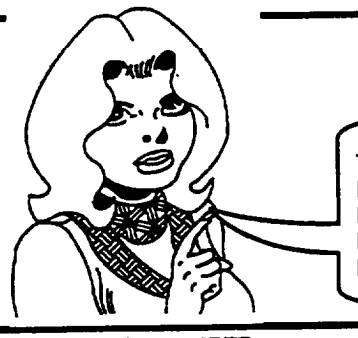
The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9,10, 13,15, 16,17, and 27.

From: "Whomever‴ <whomever@avma27.army.mil>
To: mpmt%avma28@st-louis-emh7.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 EQUIPMENT TECHNICAL PUBLICATIONS



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

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)
PFC John DOE
CO A 3rd Engineer Bn
Ft. Leonardwood, MO 63108

DATE SENT: 22 August 1992

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 1-1520-250-10	15 June 1992	Operator's manual MH60K Helicopter

BE EXACT PIN-POINT WHERE IT IS

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

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

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

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

EXAMPLE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

JOHN DOE, PFC (268) 317-7111

SIGN HERE

JOHN DOE John Doe

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M verprint2, 1 Nov 80

P.S.- - IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION, MAKE A CARBON COPY OF THIS AND GIVE TO YOUR HEADQUARTERS.

REVERSE OF DA FORM 2028-2 Reverse of DRSTS-M Overprint 2, 1 Nov 80

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNITS ADDRESS

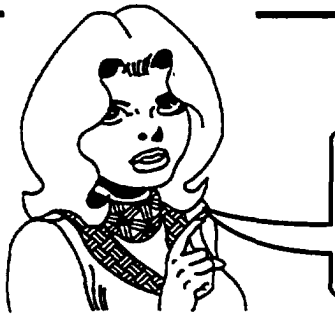
FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

COMMANDER
U.S. ARMY AVIATION AND TROOP COMMAND
ATTN: AMSAT-I-MP
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 55-1520-228-PM	1 September 1978	OH-58A/C - Phased Maintenance Checklist

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO

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

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M verprint2, 1 Nov 80

P.S.- - IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION, MAKE A CARBON COPY OF THIS AND GIVE TO YOUR HEADQUARTERS.

REVERSE OF DA FORM 2028-2 Reverse of DRSTS-M Overprint 2, 1 Nov 80

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNITS ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

COMMANDER
U.S. ARMY AVIATION AND TROOP COMMAND
ATTN: AMSAT-I-MP
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

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

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 55-1520-228-PM	1 September 1978	OH-58A/C - Phased Maintenance Checklist

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO

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

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M verprint2, 1 Nov 80

P.S.- - IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION, MAKE A CARBON COPY OF THIS AND GIVE TO YOUR HEADQUARTERS.

REVERSE OF DA FORM 2028-2 Reverse of DRSTS-M Overprint 2, 1 Nov 80

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNITS ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

COMMANDER
U.S. ARMY AVIATION AND TROOP COMMAND
ATTN: AMSAT-I-MP
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

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 milliters = .34 fl. ounce
1 deciliter = 10 centiliters = 3.38 fl. ounces
1 liter = 10 deciliters = 38.82 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. decimenter = 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	3.94
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.365	metric tons	short tons	1.102
pound-inches	newton-meters	.11375			

Temperature (Exact)

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