

Summary Report for Individual Task
552-805-1058
ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY
Status: Approved

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NOT releasable to students from foreign countries.

Condition: Given a requirement to repair the UH-1 Main Rotor Hub and Blade Assembly with all appropriate publications, forms and records (DA Form 2407, DA Form 2408-13, DA Form 2408-13-1, DA Form 2408-13-2, and DA Form 2408-14). Tools, materials, personnel, and equipment condition are determined by the references. Consult the applicable references prior to beginning this task. This task can be performed in an NBC environment.

Standard: Comply with all warnings, cautions, and notes listed in the applicable references and with all shop and flight-line safety procedures. Perform the steps for this task in the sequence listed in the references. Make entries on all forms and records without error.

Special Condition: None

MOPP 4:

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

Cue: You are assigned as an aircraft powertrain mechanic and must identify the required forms, records, and publications required to restore the component to the aircraft.

1. Check forms and records in accordance with DA Pam 738-751.

Cue: You are assigned as an aircraft powertrain mechanic and must restore the component to the aircraft I.A.W. applicable technical manuals.

2. Follow repair procedures in accordance with TM 55-1520-210-23 series technical manuals.

- a. Install grip positioning links.
- b. Install flap stops.
- c. Set blade pre-cone angle at 2 1/2 to 3 degrees.
- d. Use prop protractor to zero grips.
- e. Check alignment scope for zero adjustment.
- f. Properly aligns blades.
- g. After final drag brace adjustment has no barrel threads extending beyond locknut.
- h. Paint reference line across drag brace to indicate alignment position.

Cue: You are assigned as an aircraft powertrain mechanic and must request a Technical Inspector as required to complete this task.

3. Obtain all required technical inspections.

Cue: You are assigned as an aircraft powertrain mechanic and must account for tools, and properly store them after the task is complete.

4. Account for and stores tools.

Cue: You are assigned as an aircraft powertrain mechanic and must conduct a FOD check after completion of this task.

5. Conduct FOD check.

Cue: You are assigned as an aircraft powertrain mechanic and must properly fill out the correct paperwork after the completion of this task.

6. Update forms and records in accordance with DA Pam 738-751.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: None

Evaluation Preparation: None

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Checked forms and records in accordance with DA Pam 738-751.			
2. Followed repair procedures in accordance with TM 55-1520-210-23 series technical manuals.			
a. Installed grip positioning links.			
b. Installed flap stops.			
c. Positioned blade pre-cone angle at 2 1/2 to 3 degrees.			
d. Used prop protractor to zero grips.			
e. Checked alignment scope for zero adjustment.			
f. Properly aligned blades.			
g. After final drag brace adjustment has no barrel threads extending beyond locknut.			
h. Painted reference line across drag brace to indicate alignment position.			
3. Obtained all required technical inspections.			
4. Accounted for and stored tools.			
5. Conducted FOD check.			
6. Updated forms and records in accordance with DA Pam 738-751.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No
	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No
	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
	FM 3-04.500(Supersede d TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
	FM 3-04.500(Supersede d TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No

	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No
	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No
	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No
1.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
1.	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No
1.	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
1.	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
1.	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
1.	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
1.	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
1.	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
1.	FM 3-04.500(Supersede d TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
1.	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
1.	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No
1.	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
1.	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No

2.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
2.	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No
2.	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
2.	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
2.	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
2.	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
2.	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
2.	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
2.	FM 3-04.500(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
2.	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
2.	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No
2.	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
2.	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No
3.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
3.	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No
3.	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
3.	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
3.	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
3.	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
3.	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
3.	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
3.	FM 3-04.500(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No

3.	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
3.	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No
3.	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
3.	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No
4.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
4.	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No
4.	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
4.	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
4.	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
4.	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
4.	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
4.	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
4.	FM 3-04.500(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
4.	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
4.	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No
4.	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
4.	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No
5.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
5.	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No

5.	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
5.	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
5.	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
5.	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
5.	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
5.	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
5.	FM 3-04.500(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
5.	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
5.	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No
5.	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
5.	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No
6.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
6.	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	Yes	No
6.	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	Yes	No
6.	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	Yes	No
6.	DA FORM 2408-14	UNCORRECTED FAULT RECORD	Yes	No
6.	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	Yes	No
6.	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	Yes	No
6.	ETM 1-1500-335-23	Nondestructive Inspection Methods	Yes	No
6.	FM 3-04.500(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No

6.	TM 55-1520-210-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS FOR ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-35)	Yes	No
6.	TM 55-1520-210-23-2	AVIATION UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS: ARMY MODEL UH-1H/V/EH-1H/X HELICOPTERS (REPRINTED W/BASIC INCL C1-15)	Yes	No
6.	TM 55-1520-210-23P	TM 55-1520-210-23P	Yes	No
6.	TM 55-1520-210-23P-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, UTILITY-TACTICAL TRANSPORT, UH-1B, UH-1C, UH-1H,	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Use proper procedures for containment, leakage, recovery, disposal, and storage of any hazardous materials used during this lesson. Ensure soldiers read and comply with the MSDS before using material.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Comply with all EM's, ETM's, TM's, TB's, WARNINGS, CAUTIONS, NOTES, Applicable AR's, USAALS/TRADOC safety policies and procedures, shop safety practices, and risk assessment control measures.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
552-805-1058	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
552-805-1058(Step: 4.)	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1058(Step: 5.)	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1058(Step: 2.)	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1058(Step: 3.)	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1058(Step: 1.)	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1058	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1058(Step: 6.)	ALIGN UH-1 MAIN ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
Critical Task List for Military Occupational Specialty (MOS) 15D (SL1)	Enlisted	MOS: 15D, Skill Level: SL1, Duty Pos: RCN
ICTL Critical Task List for Military Occupational Specialty (MOS) 15D-1X (SL10)	Enlisted	MOS: 15D, Skill Level: SL1, Duty Pos: RCN, LIC: SR