

Summary Report for Individual Task  
552-805-1152  
REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY  
Status: Approved

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**Foreign Disclosure: FD7** - This product/publication has been reviewed by the training/educational developers in coordination with the [installation/activity name] FD authority. This product is

NOT releasable to students from foreign countries.

**Condition:** Given a requirement to repair the Tail Rotor Hub and Blade Assembly (OH-58C) 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. Checks 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. Follows repair procedures in accordance with TM 55-1520-228-23 series technical manuals.

- a. Disassembles tail rotor hub and blade assembly.

- b. Cleans tail rotor assembly IAW technical manual.

- c. Checks for free movement of trunnion if there is evidence of accident or incident damage.

- d. Applies corrosion preventive compound to faying surfaces of yoke and housings during assembly.

- e. Treats bare aluminum surfaces with chemical conversion coating.

- f. Shim trunnion to obtain 0.000 to 0.002 inch clearance between underside of flange on housing and mating surface of yoke.

- g. Assembles tail rotor hub and blade assembly.

- h. Balance tail rotor hub and blade assembly IAW TM 55-4920-201-14.

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

3. Obtains 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. Accounts 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. Conducts 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. Updates 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 55-1520-228-23 series technical manuals.			
a. Disassembled tail rotor hub and blade assembly.			
b. Cleaned tail rotor assembly IAW technical manual.			
c. Checked for free movement of trunnion if there is evidence of accident or incident damage.			
d. Applied corrosion preventive compound to faying surfaces of yoke and housings during assembly.			
e. Treated bare aluminum surfaces with chemical conversion coating.			
f. Shimmed trunnion to obtain 0.000 to 0.002 inch clearance between underside of flange on housing and mating surface of yoke.			
g. Assembled tail rotor hub and blade assembly.			
h. Balanced tail rotor hub and blade assembly IAW TM 55-4920-201-14.			
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 2407	MAINTENANCE REQUEST	Yes	No
	DA FORM 2407	MAINTENANCE REQUEST	Yes	No
	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(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
	FM 3-04.500(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	Yes	No
	TM 55-1520-228-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE MANUAL FOR ARMY MODEL OH-58A AND OH-58C HELICOPTERS (REPRINTED W/BASIC INCL C1-28)	Yes	No
	TM 55-1520-228-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE MANUAL FOR ARMY MODEL OH-58A AND OH-58C HELICOPTERS (REPRINTED W/BASIC INCL C1-28)	Yes	No

	TM 55-1520-228-23P	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, OBSERVATION, OH-58A AND OH-58C (NSN 1520-00-169-	Yes	No
	TM 55-1520-228-23P	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, OBSERVATION, OH-58A AND OH-58C (NSN 1520-00-169-	Yes	No
1.	DA FORM 2407	MAINTENANCE REQUEST	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 55-1520-228-23-1	AVIATION UNIT AND INTERMEDIATE MAINTENANCE MANUAL FOR ARMY MODEL OH-58A AND OH-58C HELICOPTERS (REPRINTED W/BASIC INCL C1-28)	Yes	No
1.	TM 55-1520-228-23P	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, OBSERVATION, OH-58A AND OH-58C (NSN 1520-00-169-	Yes	No
2.	DA FORM 2407	MAINTENANCE REQUEST	No	No
2.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	No	No
2.	DA FORM 2408-13-1	AIRCRAFT MAINTENANCE AND INSPECTION RECORD	No	No
2.	DA FORM 2408-13-2	RELATED MAINTENANCE ACTIONS RECORD	No	No
2.	DA FORM 2408-13-3	AIRCRAFT TECHNICAL INSPECTION WORKSHEET	No	No
2.	DA FORM 2408-14	UNCORRECTED FAULT RECORD	No	No
2.	DA PAM 738-751	FUNCTIONAL USERS MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM- AVIATION (TAMMS-A)	No	No

2.	ETM 1-1500-204-23 SERIES	Aviation Unit Maintenance (AVIM) and Aviation Intermediate Maintenance (AVIM) Manual for General Aircraft Maintenance	No	No
2.	ETM 1-1500-335-23	Nondestructive Inspection Methods	No	No
2.	FM 3-04.500(Superseded TC 3-04.7)	ARMY AVIATION MAINTENANCE	No	No
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2.	TM 55-1520-228-23P	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, OBSERVATION, OH-58A AND OH-58C (NSN 1520-00-169-	No	No
3.	DA FORM 2407	MAINTENANCE REQUEST	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
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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
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4.	DA FORM 2407	MAINTENANCE REQUEST	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
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5.	DA FORM 2407	MAINTENANCE REQUEST	Yes	No
5.	DA FORM 2408-13	AIRCRAFT STATUS INFORMATION RECORD	Yes	No
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6.	DA FORM 2407	MAINTENANCE REQUEST	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
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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
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6.	TM 55-1520-228-23P	AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR HELICOPTER, OBSERVATION, OH-58A AND OH-58C (NSN 1520-00-169-	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
552-805-1152	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved

**Supported Individual Tasks :**

<b>Task Number</b>	<b>Title</b>	<b>Proponent</b>	<b>Status</b>
552-805-1152(Step: 1.)	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1152	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1152(Step: 6.)	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1152(Step: 4.)	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1152(Step: 5.)	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1152(Step: 2.)	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved
552-805-1152(Step: 3.)	REPAIR OH-58C TAIL ROTOR HUB AND BLADE ASSEMBLY	552 - Aviation Logistics (Individual)	Approved

**Supported Collective Tasks : None**

**ICTL Data :**

<b>ICTL Title</b>	<b>Personnel Type</b>	<b>MOS Data</b>
Critical Task List for Military Occupational Specialty (MOS) 15D (SL1)	Enlisted	MOS: 15D, Skill Level: SL1, Duty Pos: RCN