

TVA HELICOPTER SERVICES

W.O. # 1302

ITEM	Discrepancy / Method of Repair	MECH.	INSP.
28.	Perform Aeronautical Accessories Flitestep 300 Hour / Annual Inspection IAW Instructions For Continued Airworthiness Report Number AA-01162. Complied with.		DKI
29.	Comply with 600 Hour / 12 Month Inspection IAW BHT-407-MM chapter 5-00-00 paragraph 5-21. Complied with.		DKI
30.	Comply with 600 Hour / 12 month Engine Oil Change IAW BHT-407-MM chapter 12-00-00 Table 12-3 and paragraph 12-13 thru 14. Complied with.		DKI
31.	Comply with 1200 Hour / 24 Month Inspection IAW BHT-407-MM chapter 5-00-00 paragraph 5-24. Complied with.	RGR	DKI
32.	Comply with Annual Inspection requirements. Complied with.	DKI	RGR
33.	Comply with 12 Month Inspection IAW BHT-407-MM chapter 5-00-00 paragraph 5-22. Complied with.	DKI	RGR
34.	Perform 12 Month ELT Maintenance Check IAW FAR 91.207. Complied with.	DKI	
35.	Perform Air Comm Corporation Cabin Heater System Annual Inspection IAW Instructions For Continued Airworthiness 407H-200M-2. Complied with.	RGR	DKI
36.	Perform Air Comm Corporation Engine Compartment Bleed Air System Annual Inspection IAW Instructions For Continued Airworthiness 407H-500M-1. Complied with.	RGR	DKI

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W.O. # 1302

ITEM	Discrepancy / Method of Repair	MECH.	INSP.
37.	Perform Aeronautical Accessories Console Kit Annual Inspection IAW Instructions For Continued Airworthiness Report Number AA-00131. Complied with.	RGR	DKI
38.	Perform Aeronautical Accessories Crew Photo Window Kit Annual Inspection IAW Instructions For Continued Airworthiness Report Number AA-00023. Complied with.	RGR	DKI
39.	Perform Aeronautical Accessories Pre-Flight Step / Handle Annual Inspection IAW Instructions For Continued Airworthiness Report Number AA-00123. Complied with.	RGR	DKI
40.	Perform Aeronautical Accessories Folding Maintenance Step Annual Inspection IAW Instructions For Continued Airworthiness Report Number AA-00126. Complied with.	RGR	DKI
41.	Perform Aeronautical Accessories Inc. Tail Rotor Pedal Lockout Kit Annual Inspection IAW Instructions For Continued Airworthiness AA-99032. Complied with.		DKI
42.	Comply with 12 Month Mast Assembly Inspection IAW BHT-407-MM chapter 5-00-00 paragraph 5-33 Table 5-4 and chapter 63-00-00 paragraph 63-6. Complied with.	DKI	
43.	Comply with 24 Month Inspection IAW BHT-407-MM chapter 5-00-00 paragraph 5-23. Complied with.	DKI	RGR

SCHEDULED INSPECTIONS

5-23. 24 MONTH INSPECTION

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL	
		MECH	OTHER
	DATE: <u>5/31/16</u> W.O. <u>1302</u> FACILITY: <u>TVA</u> HELICOPTER S/N: <u>54106</u> REGISTRY NO.: <u>N427TV</u> TOTAL TIME: <u>1352.0</u> SIGNATURE: <u>Robert G. Richey</u> IA# <u>[REDACTED]</u>		
Chapter 28	<u>FUEL SYSTEM</u>		
	1. Remove the fuel transfer/fuel boost pump assemblies. Look into the fuel cells. Examine them for unwanted material, water contamination, and fungus growth.	DKI	
	2. Disassemble, examine, and functionally test the fuel transfer/fuel boost pump check/thermal relief valves for condition.	DKI	
Chapter 95	3. Do a calibration of the fuel quantity system.	DKI	
Chapter 67	<u>CONTROLS</u>		
	1. Inspect the cyclic spring link for condition.	DKI	
	<u>FLIGHT CONTROL BOLTS/NUTS</u>		
Chapter 67	1. Examine the bolts and the nuts of the flight controls for condition.	DKI	
Chapter 29	2. Examine the bypass spool valve of the servo actuators for correct movement.	DKI	
	<u>GROUND RUN</u>		
BHT-407-FM-1 or BHT-407-FM-2	1. Complete a ground run at 100% N _R to check for leaks and confirm system operation.		

SCHEDULED INSPECTIONS

5-24. 1200 HOUR OR 24 MONTH INSPECTION

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH OTHER	
	DATE: <u>5/31/14</u> W.O. <u>1302</u> FACILITY: <u>TVA</u> HELICOPTER S/N: <u>54106</u> REGISTRY NO.: <u>N427TV</u> TOTAL TIME: <u>1352.0</u> SIGNATURE: <u>Robert G. Richey</u> IA# <u>[REDACTED]</u>		
Chapter 67	<u>PILOT CYCLIC CONTROL STICK</u> 1. Perform a 1200 hour or 24 month inspection of the pilot cyclic control stick.	RGR	
Chapter 67	<u>AUTOMATIC FLIGHT CONTROL SYSTEM (AFCS)</u> <u>407-706-061</u> NOTE The following steps are only applicable to the 407GX with the AFCS installed.		
	1. Visually examine the nylatron strips on the following components inside the vertical tunnel for condition, wear, and debonding:	N/A RGR	
	a. Longitudinal SCAS actuator assembly.	N/A RGR	
	b. Lateral SCAS actuator assembly.	N/A RGR	
	c. Directional control tube assembly.	N/A RGR	
	2. Visually examine the left liner on the left web and the gutter assembly on the right web inside the vertical tunnel for condition and wear.	N/A RGR	

BHT-407-MM-8

Bell Helicopter
A Textron Company

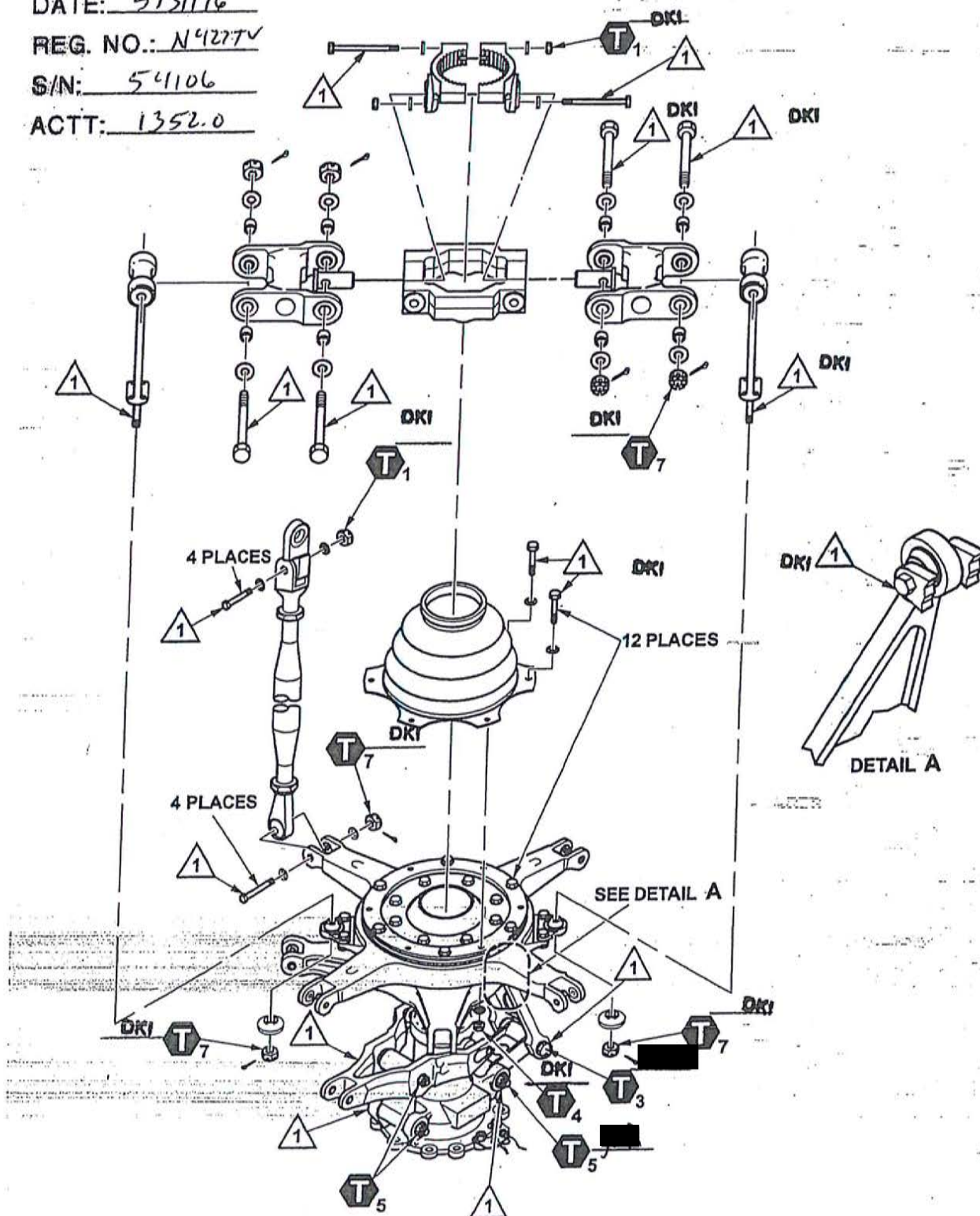
W.O. #: 1302

DATE: 5/31/16

REG. NO.: N427V

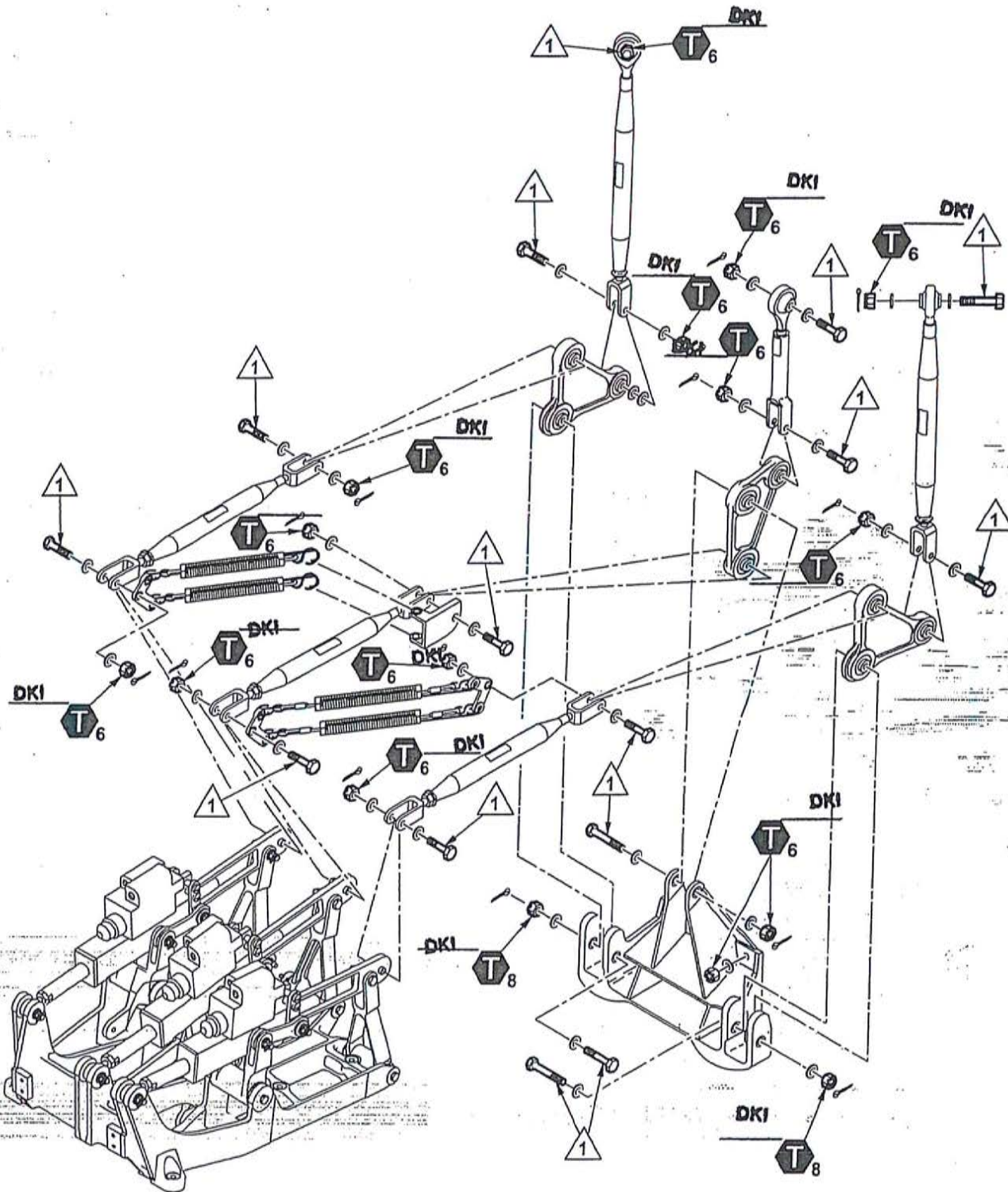
S/N: 54106

ACTT: 1352.0



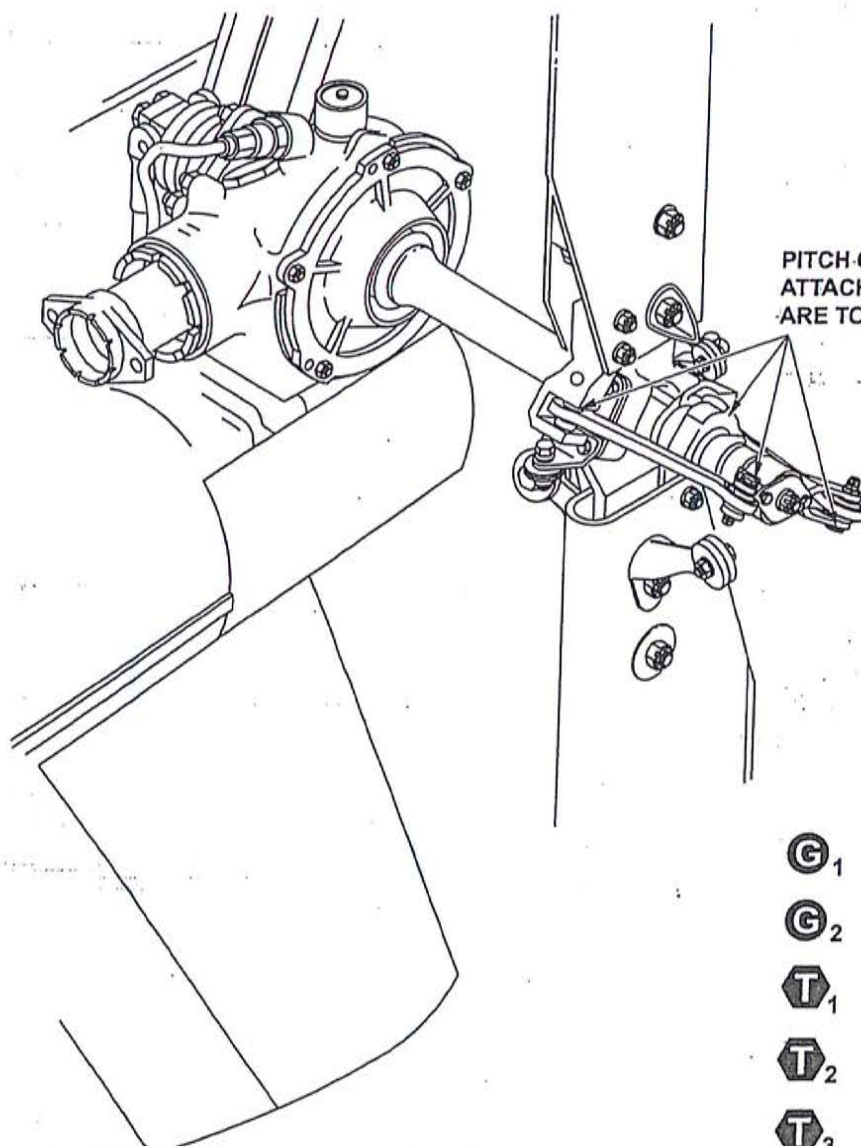
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Figure 67-3. Flight Control Bolts (Main Rotor) — Inspection (Sheet 1 of 3)

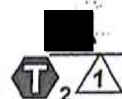


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Figure 67-3. Flight Control Bolts (Main Rotor) — Inspection (Sheet 2 of 3)



PITCH CHANGE LINK
ATTACHMENT BOLTS (4)
ARE TO BE INSPECTED



- | | | |
|-----------------------|--|----------|
| G ₁ | CORROSION PREVENTIVE COMPOUND (C-104) | 1 |
| G ₂ | CORROSION PREVENTIVE COMPOUND (C-101) | 2 |
| T ₁ | 50 TO 70 IN-LBS
(5.65 TO 7.91 Nm) | |
| T ₂ | 60 TO 80 IN-LBS
(6.78 TO 9.04 Nm) | |
| T ₃ | 60 TO 85 IN-LBS
(6.78 TO 9.60 Nm) | |
| T ₄ | 75 TO 95 IN-LBS
(8.47 TO 10.73 Nm) | |
| T ₅ | 95 TO 110 IN-LBS
(10.73 TO 12.43 Nm) | |
| T ₆ | 100 TO 140 IN-LBS
(11.30 TO 15.82 Nm) | |
| T ₇ | 120 TO 160 IN-LBS
(13.56 TO 18.08 Nm) | |
| T ₈ | 160 TO 190 IN-LBS
(18.08 TO 21.47 Nm) | |

NOTES

- 1** Apply a coating of corrosion preventive compound (C-104) to all bolt shanks prior to installation. Do not apply corrosion preventive compound to bolt threads.
- 2** Apply a coating of corrosion preventive compound (C-101) to all bolt heads, washers, nuts and exposed threads after installation.

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Figure 67-3. Flight Control Bolts (Tail Rotor) — Inspection (Sheet 3 of 3)