Bell Helicopter 407
Airframe Event 5 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

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All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 12/28/12 *N#* 445MT *S/N* 53959 *TT* 952.5

Signature [redacted] *Certificate Number* [redacted]

Helicopter Assy. Mfg

Ident #: *4874* *Reference: CSSD-PSE-87-001*

Insp ID: BD

Perform corrosion inspection for the areas inspected in accordance with the Corrosion Control Guide.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: *4805* *Reference: Chapter 11*

Insp ID: BD

Examine the placards, decals, and markings in the cabin interior. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: *4836* *Reference: Chapter 11*

Insp ID: BD

Examine the placards, decals, and markings on the forward fuselage. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Air Conditioning, Distribution

Ident #: *4846* *Reference: Chapter 21*

Insp ID: BD

Examine the ventilation system for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Battery

Ident #: *4856* *Reference: Chapter 96*

Insp ID: BD

Examine the battery compartment for condition and security. Examine the vent line. Do an operational test of the battery temperature sensing system. Install a serviceable battery. Examine the Auxiliary Power Unit (APU) receptacle for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4845* *Reference: Chapter 25*

Insp ID: BD

Examine the seat cushings, seat back, and interior trim for condition and security. Examine the restraints for condition, security, and correct operation.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Port Fire Bottle

Ident #: *4848* *Reference: Chapter 26*

Insp ID: BD

Examine the fire extinguisher and the quick-release for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuel Select/Shutoff Valve

Ident #: *4847* *Reference:*

Insp ID: BD

Make sure the fuel valve switch guard operates correctly.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Pitot/Static Anti Ice

Ident #: *4849* *Reference: Chapter 96*

Insp ID: BO

Examine the heating system of the pitot and static ports for correct operation.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Instrument Panel System

Ident #: *4844* *Reference: BHT-407-FM-1*

Insp ID: BO

Inspect instruments for condition and security. Inspect for correct markings.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Navigational Data System, General

Ident #: *4858* *Reference: Chapter 97*

Insp ID: BO

Examine the antenna(s) on the forward fuselage for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Pitot System

Ident #: *4857* *Reference: Chapter 95*

Insp ID: BO

Examine the pitot and the static ports for condition and security. Examine the components as follows:

a. the pitot tube for discoloration and visible obstruction.

b. drain the moisture from the pitot and from the static piping installation.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuselage Structure Section

Ident #: *4843* *Reference:*

Insp ID: BO

Examine the cabin floor for condition.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuselage Structure Section

Ident #: *4855* *Reference: Chapters 52 and 53*

Insp ID: BO

Examine the forward fuselage for condition and security. Examine the components as follows:

a. the doors, door hinges and latches.

b. the battery door.

c. any fluid leaks.

d. the windows.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4851* *Reference: Chapter 67*

Insp ID: BO

Examine the cyclic and the collective control sticks and pedals for condition and security. Examine the directional control pedals for correct operation.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4852* *Reference: Chapter 67*

Insp ID: BD

Examine components of airspeed-actuated pedal stop for condition, security and correct operation. Examine components that follow:

a. solenoid.

b. cam.

c. release cable.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4853* *Reference: Chapter 67*

Insp ID: BD

Make sure there is a minimum of friction on the components that follow:

a. the cyclic.

b. the collective.

c. the directional control.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4854* *Reference: Chapter 96*

Insp ID: BD

Perform operational check of airspeed-actuated pedal stop system.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: *4850* *Reference: Chapter 76*

Insp ID: BD

Make sure the Full Authority Digital Engine Control (FADEC) / Engine Control Unit (ECU) maintenance light system operates correctly.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Bell Helicopter 407
Engine Event 5 Inspection

Checklist Instructions

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4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

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Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 12/28/12 *N#* 445MT *S/N* 53959 *TT* 952.5

Signature [redacted] *Certificate Number* [redacted]

Engine Mounting System

Ident #: *4903* *Reference:*

Inspect the engine mounts for condition and security.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fireseals System

Ident #: *4906* *Reference: 72-50-00, para 5.J.*

Inspect the horizontal and vertical firewall shields for cracks.

NOTE: CONTINUED SHEET METAL OR TUBE CRACKING MAY BE AN INDICATION OF EXCESSIVE ENGINE, ENGINE ACCESSORY, OR AIRFRAME VIBRATION.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4898* *Reference:*

Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4901* *Reference:*

Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4899* *Reference: 72-30-00, para 4.B.*

Inspect the compressor impeller leading edges for damage.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Turbine Engine Comp/Fan Section

Ident #: *4900* *Reference: 72-30-00, para 5.B.*

Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4904* *Reference:*

Inspect compressor scroll for cracks. Pay particular attention to welded areas.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fuel System

Ident #: *4902* *Reference:*

Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check HMU lever for freedom of operation and full travel. Check condition and security of all linkages.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Ignition System

Ident #: *4907* *Reference: 74-20-02, para 2.*

Insp ID: BD

Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Ignitor/Spark Plug

Ident #: *4908* *Reference: 74-20-01, para 2.B.*

Insp ID: BD

Perform operational check of igniters.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Anti Ice System

Ident #: *4905* *Reference:*

Insp ID: BD

Inspect the anti-icing valve and solenoid valve for loose, chafed, frayed or broken wires, loose connections and security of attachment.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Exhaust System, General

Ident #: *4909* *Reference: 72-00-00, Table 603, Item 4*

Insp ID: BD

Without disassembly, visually inspect turbine and exhaust collector supports and the air tubes for cracks, buckling and general condition.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: *4988* *Reference:*

Insp ID: BD

Download ECU using EMC-35A Maintenance Terminal program. Check Engine History Data for faults. Check Fault History for Accumulated and Time Stamped faults. Address any faults found as necessary. Clear faults after maintenance action has been completed. Print out the data from each screen and file for future reference.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Bell Helicopter 407
Airframe Event 4 Inspection

Checklist Instructions

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Initials	*Signature*	*Certificate Type and Number*
TM	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 11.16.2012 *N#* 445MT *S/N* 53959 *TT* 914.4

Signature [redacted] *Certificate Number* [redacted]

Helicopter Assy. Mfg

Ident #: *4873* *Reference: CSSD-PSE-87-001*

Insp ID: TM

Perform corrosion inspection for the areas inspected in accordance with the Corrosion Control Guide.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: *4804* *Reference: Chapter 11*

Insp ID: TM

Examine the placards, decals, and markings on the aft top deck. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: *4835* *Reference: Chapter 11*

Insp ID: TM

Examine the placards, decals, and markings on the tailboom assembly. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Boom Structure Section

Ident #: *4839* *Reference: Chapter 53*

Insp ID: TM

CAUTION: ANY CRACK, CORROSION, OR LOOSE OR SHEARED RIVET IS CAUSE FOR IMMEDIATE GROUNDING OF THE HELICOPTER UNTIL THE PROBLEM IS CORRECTED.

Examine the tailboom assembly for condition and security. Examine the components as follows:

a. the tailboom skins for chafing damage or cracks from the tail rotor driveshaft covers and the tail rotor gearbox covers.

b. the tailboom skins at the horizontal stabilizer for cracks, loose rivets and fasteners.

c. the horizontal stabilizer.

d. the auxiliary fins.

e. the vertical fin.

f. the tail rotor gearbox support where it attaches to tailboom and at the attachment of the tail rotor gearbox.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Body/Boom Fairing Section

Ident #: *4832* *Reference: Chapter 53*

Insp ID: TM

Examine the aft fairing for condition. Examine the aft top deck for condition, leaks and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Body/Boom Fairing Section

Ident #: *4838* *Reference: Chapter 53*

Insp ID: TM

Examine the tail rotor driveshaft cover and the gearbox cowling for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Shaft System

Ident #: *4834* *Reference: Chapter 65*

Insp ID: TM

Examine the aft short shaft for condition and security. Inspect for loose and working rivets. Examine the disc pack couplings for condition.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Shaft System

Ident #: *4840* *Reference: Chapter 65*

Insp ID: TM

Examine the tail rotor driveshaft for condition and security. Examine the components as follows:

a. the bearings and the hangers.

b. the disc pack couplings.

c. the driveshaft tube assemblies.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Transmission Section

Ident #: *4841* *Reference: Chapters 65 and 96*

Insp ID: TM

Examine the tail rotor gearbox for condition, leaks, and security. Examine the chip detector of the tail rotor gearbox for metal particles. Examine the electrical circuit of the chip detector for continuity.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Control System

Ident #: *4842* *Reference: Chapter 67*

Insp ID: TM

Examine the tail rotor pitch control mechanism for condition and security. Examine the components as follows:

a. the boot.

b. the pitch links.

c. the crosshead sliding seal.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Engine Oil Cooler

Ident #: *4833* *Reference: Chapters 63, 65, 79 and 96*

Insp ID: TM

Examine the engine/transmission oil cooling system for condition, leaks, and security. Examine the components as follows:

a. the fluid flexible and rigid lines.

b. the electrical harness.

c. the oil tank and cooler.

d. the oil cooler blower assembly.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Bell Helicopter 407
Engine Event 4 Inspection

Checklist Instructions

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JM	[redacted]	

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Date 11.16.2012 *N#* 445MT *S/N* 53959 *TT* 914.4

Signature [redacted] *Certificate Number* [redacted]

Engine Mounting System

Ident #: *4903* *Reference:*

Inspect the engine mounts for condition and security.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fireseals System

Ident #: *4906* *Reference: 72-50-00, para 5.J.*

Inspect the horizontal and vertical firewall shields for cracks.

NOTE: CONTINUED SHEET METAL OR TUBE CRACKING MAY BE AN INDICATION OF EXCESSIVE ENGINE, ENGINE ACCESSORY, OR AIRFRAME VIBRATION.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4898* *Reference:*

Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4901* *Reference:*

Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4899* *Reference: 72-30-00, para 4.B.*

Inspect the compressor impeller leading edges for damage.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4900* *Reference: 72-30-00, para 5.B.*

Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.

Insp ID: TM

☐ Discrepancy Log page/WO ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4904* *Reference:*

Inspect compressor scroll for cracks. Pay particular attention to welded areas.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fuel System

Ident #: *4902* *Reference:*

Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check HMU lever for freedom of operation and full travel. Check condition and security of all linkages.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Ignition System

Ident #: *4907* *Reference: 74-20-02, para 2.*

Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Ignitor/Spark Plug

Ident #: *4908* *Reference: 74-20-01, para 2.B.*

Perform operational check of igniters.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Anti Ice System

Ident #: *4905* *Reference:*

Inspect the anti-icing valve and solenoid valve for loose, chafed, frayed or broken wires, loose connections and security of attachment.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Exhaust System, General

Ident #: *4909* *Reference: 72-00-00, Table 603, Item 4*

Without disassembly, visually inspect turbine and exhaust collector supports and the air tubes for cracks, buckling and general condition.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: *4988* *Reference:*

Download ECU using EMC-35A Maintenance Terminal program. Check Engine History Data for faults. Check Fault History for Accumulated and Time Stamped faults. Address any faults found as necessary. Clear faults after maintenance action has been completed. Print out the data from each screen and file for future reference.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Inspection Record

Work Order Number: LB 39797
Registration Number: N445MT
Serial Number: 53959
Total Time: 880.3
Date: 10.17.2012

Inspect the Flitestep® / Floatstep™ Kit for the following conditions in accordance with Section 3.2, 300 Hour / Annual Inspection.

1. Inspect the Step Brackets, Clamp Brackets, and Step Assemblies for nicks, scratches, dents, corrosion, or cracks. TM

NOTE
Particular care should be taken to inspect in the areas of the bolts and screws, in the Step Assemblies and Brackets.

NOTE
The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), 2) pits in aluminum or steel surfaces, 3) blisters, bulging or flaking of protective coatings.

2. Remove safety wire and check the torque values on the attaching fasteners per Table 2. Re-torque fasteners as required. Install new safety wire (.032 diameter) as shown in Figure 6. TM

3. Replace Egress Tool batteries. TM

Signature [redacted] **A & P No.** [redacted]

Signature _____ **Inspector** _____

Bell Helicopter 407
Airframe Optional Equipment 300 Hour Inspection

Checklist Instructions

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Initials	*Signature*	*Certificate Type and Number*
TM	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 10.14.2012 *N#* 445MT *S/N* 53959 *TT* 878.8

Signature [redacted] *Certificate Number* [redacted]

Landing Gear, General

Ident #: *4897* *Reference: Chapter 32*

Insp ID: TM

Examine the crosstube fairings for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Main Rotor Blade System

Ident #: *4893* *Reference: Chapter 62*

Insp ID: TM

Examine the expandable blade bolts for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotor Brake System

Ident #: *4894* *Reference: Chapter 63*

Insp ID: TM

Examine the rotor brake assembly for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4895* *Reference: Chapter 67*

Insp ID: TM

Examine the dual controls for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why Not Installed

Engine Air Intake System

Ident #: *4892* *Reference: Chapter 71*

Insp ID: TM

Examine the particle separator for condition and security

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Intake System

Ident #: *4896* *Reference: Chapter 71*

Insp ID: TM

Examine the snow deflector baffles for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why Not Installed

Final Page

Bell Helicopter 407
Airframe Event 3 Inspection

Checklist Instructions

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Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 10/09/12 *N#* 445MT *S/N* 53959 *TT* 874.9

Signature [redacted] *Certificate Number* [redacted]

Helicopter Assy. Mfg

Ident #: *4872* *Reference: CSSD-PSE-87-001*

Insp ID: BD

Perform corrosion inspection for the areas inspected in accordance with the Corrosion Control Guide.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: *4803* *Reference: Chapter 11*

Insp ID: BD

Examine the placards, decals, and markings in the power plant area. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Starter/Generator

Ident #: *4831* *Reference: Chapter 71*

Insp ID: BD

Remove and examine the starter-generator for condition. Examine the components as follows:

a. the brushes.

b. the commutator.

c. the drive spline for cracks, rounding, stripping, or uneven wear.

Examine the duct and the clamp for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Main Rotor Drive System

Ident #: *4830* *Reference: Chapters 63 and 96*

Insp ID: BD

Examine the freewheel assembly for condition, leaks, and security. Examine the freewheel chip detector for metal particles. Examine the electrical circuit of the chip detectors for continuity.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine to Transmission Coupling System

Ident #: *4828* *Reference: Chapter 63*

Insp ID: BD

Examine the engine to transmission driveshaft for condition and security. Examine the components as follows:

a. the driveshaft for corrosion, surface damage and cracked spring.

b. the flexframe and bolts for condition and signs of slippage.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Shaft System

Ident #: *4829* *Reference: Chapter 65*

Insp ID: BD

Examine the forward short shaft for condition and security. Examine the disc pack couplings for cracks and gaps.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Cowl System

Ident #: *4821* *Reference: Chapter 53*

Insp ID: BD

Examine the engine cowling and the doors for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fireseals System

Ident #: *4823* *Reference: Chapter 53*

Insp ID: BD

Examine the firewalls for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fluid Drains

Ident #: *4824* *Reference: Chapter 53*

Insp ID: BD

Examine the engine pan drains. Make sure that they are not clogged.

☐ Discrepancy Log page/WO ☐ N/A Why _____

Engine Systems

Ident #: *4822* *Reference: Chapter 71*

Insp ID: BD

Examine the engine for condition, leaks, and security. Examine the components as follows:

a. the fluid flexible and rigid lines.

b. the electrical harness.

c. the engine mounts, fittings, and legs.

d. the exhaust stack.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Engine Fuel Control System

Ident #: *4825* *Reference: Chapter 76*

Insp ID: BD

Examine the engine controls for condition, correct operation, and security. Examine the components as follows:

a. the Hydro Mechanical Unit (HMU) "FULL OFF" and "FULL ON" stops.

b. the linkage for any looseness.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Chip Detector

Ident #: *4826* *Reference: Chapter 96*

Insp ID: BD

Examine the engine chip detectors for metal particles. Examine the electrical circuit of the chip detectors for continuity.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

EGT/TIT/T4/TOT Indicating System

Ident #: *4827* *Reference: Chapter 95*

Insp ID

Do an operational test of the measured gas temperature (MGT) system.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Bell Helicopter 407
Engine Event 3 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 10/09/12 *N#* 445 MT *S/N* 53959 *TT* 874.9

Signature [redacted] *Certificate Number* [redacted]

Engine Mounting System

Ident #: *4903* *Reference:*

Inspect the engine mounts for condition and security.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fireseals System

Ident #: *4906* *Reference: 72-50-00, para 5.J.*

Inspect the horizontal and vertical firewall shields for cracks.

NOTE: CONTINUED SHEET METAL OR TUBE CRACKING MAY BE AN INDICATION OF EXCESSIVE ENGINE, ENGINE ACCESSORY, OR AIRFRAME VIBRATION.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4898* *Reference:*

Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4901* *Reference:*

Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4899* *Reference: 72-30-00, para 4.B.*

Inspect the compressor impeller leading edges for damage.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Turbine Engine Comp/Fan Section

Ident #: *4900* *Reference: 72-30-00, para 5.B.*

Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.

Insp ID: BD

☐ Discrepancy Log page/WO ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4904* *Reference:*

Inspect compressor scroll for cracks. Pay particular attention to welded areas.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fuel System

Ident #: *4902* *Reference:*

Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check HMU lever for freedom of operation and full travel. Check condition and security of all linkages.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Ignition System

Ident #: *4907* *Reference: 74-20-02, para 2.*

Insp ID: BD

Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Ignitor/Spark Plug

Ident #: *4908* *Reference: 74-20-01, para 2.B.*

Insp ID: BD

Perform operational check of igniters.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Anti Ice System

Ident #: *4905* *Reference:*

Insp ID: BD

Inspect the anti-icing valve and solenoid valve for loose, chafed, frayed or broken wires, loose connections and security of attachment.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Exhaust System, General

Ident #: *4909* *Reference: 72-00-00, Table 603, Item 4*

Insp ID: BD

Without disassembly, visually inspect turbine and exhaust collector supports and the air tubes for cracks, buckling and general condition.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Burner Section

Ident #: *4910* *Reference: 72-40-00, para 3.*

Insp ID: BD

Inspect and clean the combustion drain valves.

NOTE: Assure the airframe overboard drain lines are clear. Refer to airframe manual for procedures.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Engine Filter

Ident #: *4912* *Reference: 72-60-00, para 1.C., 72-00-00, para 8.C., 72-50-00, para 5.E., 5.F*

Insp ID: BD

Remove, inspect, clean and reinstall the oil filter.

NOTE: If excessive carbon is found in the filter, inspect the scavenge and pressure oil system.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuel Injector Nozzle

Ident #: *4914* *Reference: 73-10-03*

Insp ID: BD

Clean and inspect the fuel nozzle.

NOTE: Install fuel nozzle with proper number of spacers.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: *4988* *Reference:*

Insp ID: BO

Download ECU using EMC-35A Maintenance Terminal program. Check Engine History Data for faults. Check Fault History for Accumulated and Time Stamped faults. Address any faults found as necessary. Clear faults after maintenance action has been completed. Print out the data from each screen and file for future reference.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Chip Detector

Ident #: *4911* *Reference: 72-60-00, para 4.B.*

Insp ID: BO

Remove, clean, operationally test, and reinstall the magnetic drain plugs. Inspect the locking pins and flanged inserts of the quick disconnect chip detectors for wear.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Oil Distribution System

Ident #: *4913* *Reference: 72-50-00, para 5.E.*

Insp ID: BO

Measure and record power turbine support pressure oil nozzle flow from scavenge oil strut. Record and retain flow record.

Flow 6.502

Compare with previous flow. Any large deviation could indicate carbon buildup.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Bell Helicopter 407
EMS Equipment Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 10/04/12 *N#* 445MT *S/N* 53959 *TT* 868.5

Signature [redacted] *Certificate Number* [redacted]

Equipment/Furnishings, General

Ident #: *4921* *Reference:*

Inspect medical pouches for condition and functionality.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4922* *Reference:*

Functionally check all EMS interior lighting.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4923* *Reference:*

Ensure proper restraint of all EMS oxygen bottles and the protection of all regulators.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4924* *Reference:*

Inspect isolation curtains for condition and attachment.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4925* *Reference:*

Inspect medical floor for condition.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4926* *Reference:*

Inspect all EMS equipment seat belts and inertia reels for fraying and operation.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4927* *Reference:*

Perform OPS check of EMS oxygen system to include all outlets, shut-off valves and emergency shut-offs.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4928* *Reference:*

Inspect high pressure EMS oxygen cylinders for hydrostatic test date. NOTE: Notify Records and correct Due List , if required.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4929* *Reference:*

Inspect EMS oxygen cylinder mounts for condition and security.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4930* *Reference:*

Inspect all easily accessible components of the high (1800 P.S.I.) and low (50 P.S.I.) EMS oxygen systems.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4931* *Reference:*

Inspect easily accessible EMS air system air hose connectors for security.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4932* *Reference:*

Inspect EMS air regulators, if installed for condition and security.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4933* *Reference:*

Inspect EMS oxygen and air ground service connectors.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4934* *Reference:*

Check all the easily accessible EMS oxygen system fittings by pressurizing the system. Turn on all cylinders full open then check pressure content guages for any pressure loss. NOTE: If any pressure loss occurs, the system must be leak checked with an approved solution. The system must be repaired before any further use.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4935* *Reference:*

Inspect EMS liquid oxygen mount for wear and proper attachment.

Insp ID:

☐ Discrepancy Log page/WO _____ ☒ N/A Why no LOX

Equipment/Furnishings, General

Ident #: *4936* *Reference:*

Inspect drain pan, heat exchange, oxygen converter and brackets for proper security and attachment. Inspect the easily accessible components, plumbing, and valves of the liquid oxygen system for security of attachment. Inspect LOX container for dents, chipped paint, and cleanliness. NOTE: Applies to EMS liquid oxygen system only.

Insp ID:

☐ Discrepancy Log page/WO _____ ☒ N/A Why no LOX

Equipment/Furnishings, General

Ident #: *4937* *Reference:*

Inspect EMS oxygen system for required placards.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4938* *Reference:*

Ensure that the area where the EMS liquid oxygen converter is installed is properly sealed from existing drain lines, fuel lines and electrical wires.

Insp ID:

☐ Discrepancy Log page/WO _____ ☒ N/A Why NO LOX

Equipment/Furnishings, General

Ident #: *4939* *Reference:*

Inspect all EMS plumbing for cracks, chaffing, dents and proper clamping. Check fittings, connectors and manifolds for stripped or damaged threads. NOTE: Liquid oxygen systems only.

Insp ID:

☐ Discrepancy Log page/WO _____ ☒ N/A Why NO LOX

Equipment/Furnishings, General

Ident #: *4940* *Reference:*

Inspect fill valve, check valve, vent valve, relief valve, evaporation pressure valve, evaporator coil and liquid oxygen container for proper security, mounting, leakage and condition. NOTE: Liquid oxygen systems only.

Insp ID:

☐ Discrepancy Log page/WO _____ ☒ N/A Why NO LOX

Equipment/Furnishings, General

Ident #: *4941* *Reference:*

Test EMS liquid oxygen system as follows: a. Service the liquid oxygen converter until "full" (unit must be removed from aircraft to service). b. Check the quantity guage for proper indication and condition. c. Check pressure in outlet with pressure guage (pressure should be 50 P.S.I. at each outlet up to full flow).

Insp ID:

☐ Discrepancy Log page/WO _____ ☒ N/A Why NO LOX

Equipment/Furnishings, General

Ident #: *4942* *Reference:*

Inspect all fastners on medical panels for security and condition.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4943* *Reference:*

Check all moving EMS equipment for correct functional movement and security of attachment.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4944* *Reference:*

Clean and lubricate (as required) all moving EMS parts to ease operation and lessen wear.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4945* *Reference:*

Functionally check litters and litter locks for proper operation.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4946* *Reference:*

Ensure that all medical mounts are functioning properly.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4947* *Reference:*

Inspect the mounting and security of the inverter.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4948* *Reference:*

Function check the inverter and electrical outlets for proper operation.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4949* *Reference:*

Inspect electrically operated EMS vacuum pump for condition and security of mounting, wiring, and distribution hoses.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4950* *Reference:*

If installed, inspect for condition, security and function of the EMS vacuum system "on-off" switch and circuit breaker.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4951* *Reference:*

Inspect the EMS suction canister mounting provisions and quick disconnect outlets for condition and security. Perform operational check on all EMS vacuum outlets.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4952* *Reference:*

Inspect & perform operational check on all EMS air outlets. Inspect the EMS air quick disconnect outlets for condition and security.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4953* *Reference:*

Inspect electrically operated EMS air pump for condition, security of mounting, wiring and distribution hoses.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4954* *Reference:*

If installed, inspect for condition, security and function of the air system "on-off" switch and circuit breaker.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4955* *Reference:*

Inspect and drain EMS air filter assembly, if installed.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4956* *Reference:*

Inspect all easily accessible components of the air system.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4957* *Reference:*

Inspect all easily accessible components of the vacuum system.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4958* *Reference:*

Inspect additional EMS equipment and furnishings installed by Form 337 or STC for condition and security of attachment. (IE: Balloon Pump Mounts, Neonate Unit mounts, etc.)

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4959* *Reference:*

Inspect aircraft for proper placards required by EMS equipment installation documentation.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Equipment/Furnishings, General

Ident #: *4960* *Reference:*

Inspect LOX indicating system electrical cable assemblies for abrasions and other physical damage.

Insp ID:

☐ Discrepancy Log page/WO _____ ☒ N/A Why NO LOX

Final Page

Bell Helicopter 407
Airframe Event 2 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

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4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 09/10/12 *N#* 445MT *S/N* 53959 *TT* 832.9

Signature [redacted] *Certificate Number* [redacted]

Helicopter Assy. Mfg

Ident #: *4871* *Reference: CSSD-PSE-87-001*

Insp ID: BD

Perform corrosion inspection for the areas inspected in accordance with the Corrosion Control Guide.

☐ Discrepancy Log page/WO ☐ N/A Why _____

Placards and Marking

Ident #: *4802* *Reference: Chapter 11*

Insp ID: BD

Examine the placards, decals, and markings on the forward top deck. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Hydraulic Power System

Ident #: *4817* *Reference: Chapter 29*

Insp ID: BD

Examine the hydraulic system for condition, leaks and security. Examine the components as follows:

a. the hydraulic actuators.

b. the fluid flexible and rigid lines.

c. the filter differential pressure indicator button (two places).

d. the pivot bolts of the pilot valve on the actuators for freedom of rotation.

e. the reservoir.

f. the pump.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuselage Structure Section

Ident #: *4814* *Reference: Chapter 53*

Insp ID: BD

Examine the forward top deck for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Body/Boom Fairing Section

Ident #: *4812* *Reference: Chapter 53*

Insp ID: BD

Examine the forward and the transmission cowlings for condition.

☐ Discrepancy Log page/WO ☐ N/A Why _____

Main Rotor Transmission System

Ident #: *4819* *Reference: Chapters 63 and 96*

Insp ID: BD

Examine the transmission assembly for damage, leaks, and security. Examine the components as follows:

a. the fluid flexible and rigid lines.

b. the electrical harness.

c. the impending bypass valve indicator.

d. oil pressure system manifold.

e. the filter manifold.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Main Rotor Transmission Chip Detector

Ident #: *4820* *Reference: Chapters 63 and 96*

Insp ID: BD

Examine the tranmission lower and upper (mast bearing) chip detectors for metal particles. Examine the electrical circuit of the chip detectors for continuity.

☐ Discrepancy Log page/WO ☐ N/A Why _____

Main Rotor Transmission Mount System

Ident #: *4818* *Reference: Chapter 63*

Insp ID: BD

Examine the pylon assembly for condition and security. Examine the components as follows:

a. the up-stops.

b. the beams.

c. the corner mounts.

d. the restraint, the restraint fitting.

e. the restraint stop.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4816* *Reference: Chapter 67, para. 67-155*

Insp ID: BD

Examine the swashplate and support for condition and security. Examine the components as follows:

a. the mast for cleanliness.

b. the seals for signs of too much grease leakage. Grease should not transfer past the seal and onto the uniball.

c. Rotate the outer ring. Examine the duplex bearing for condition (do this check before you lubricate the duplex bearing).

d. the pivot sleeve for wear and damage.

e. the friction of the swashplate.

f. the collective lever.

g. the swashplate drive assembly.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Main Rotor Control System

Ident #: *4815* *Reference: Chapter 67*

Insp ID

Examine all of the control tubes, bellcranks, and the supports on the forward top deck for condition, security, and correct operation. Examine the components as follows:

a. signs of control interference.

b. the swaged end of the pitch change links (touch-up damaged sealant).

c. the springs.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Intake System

Ident #: *4813* *Reference: Chapters 53 and 71*

Insp ID

Examine the air inlet cowling for condition. Examine the components as follows:

a. the screen/particle separator.

b. the bell mouth.

☐ Discrepancy Log page/WO ☐ N/A Why _____

Final Page

Bell Helicopter 407
Engine Event 2 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 09/09/12 *N#* 445MT *S/N* 53959 *TT* 832.8

Signature [redacted] *Certificate Number* [redacted]

Engine Mounting System

Ident #: *4903* *Reference:*

Inspect the engine mounts for condition and security.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fireseals System

Ident #: *4906* *Reference: 72-50-00, para 5.J.*

Inspect the horizontal and vertical firewall shields for cracks.

NOTE: CONTINUED SHEET METAL OR TUBE CRACKING MAY BE AN INDICATION OF EXCESSIVE ENGINE, ENGINE ACCESSORY, OR AIRFRAME VIBRATION.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4898* *Reference:*

Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4901* *Reference:*

Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4899* *Reference: 72-30-00, para 4.B.*

Inspect the compressor impeller leading edges for damage.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Turbine Engine Comp/Fan Section

Ident #: *4900* *Reference: 72-30-00, para 5.B.*

Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.

Insp ID: BD

☐ Discrepancy Log page/WO ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4904* *Reference:*

Inspect compressor scroll for cracks. Pay particular attention to welded areas.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fuel System

Ident #: *4902* *Reference:*

Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check HMU lever for freedom of operation and full travel. Check condition and security of all linkages.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Ignition System

Ident #: *4907* *Reference: 74-20-02, para 2.*

Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire.

Insp ID: BD

☐ Discrepancy Log page/WO ☐ N/A Why _____

Ignitor/Spark Plug

Ident #: *4908* *Reference: 74-20-01, para 2.B.*

Perform operational check of igniters.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Anti Ice System

Ident #: *4905* *Reference:*

Inspect the anti-icing valve and solenoid valve for loose, chafed, frayed or broken wires, loose connections and security of attachment.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Exhaust System, General

Ident #: *4909* *Reference: 72-00-00, Table 603, Item 4*

Without disassembly, visually inspect turbine and exhaust collector supports and the air tubes for cracks, buckling and general condition.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: *4988* *Reference:*

Download ECU using EMC-35A Maintenance Terminal program. Check Engine History Data for faults. Check Fault History for Accumulated and Time Stamped faults. Address any faults found as necessary. Clear faults after maintenance action has been completed. Print out the data from each screen and file for future reference. Print out the data from each screen and file for future reference.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Final Page

Inspection Record

Work Order Number: _____

Registration Number: N445MT

Serial Number: 53959

Total Time: 786.3

Date: 08/08/12

Inspect in accordance with Section 4.2 Annual Inspection.

TAIL ROTOR PEDALS LOCKED OUT

1. Inspect Lockout Bracket Assembly for condition and security of attachment. BD
2. Verify the Expandable pins are properly positioned in the Bellcrank and Safety Clips are properly latched. BD
3. Verify the Links are fully seated and locked on the Lockout bracket Assembly. BD

TAIL ROTOR PEDALS ENGAGED

1. Inspect Warning Decal for condition and security of attachment. BD
2. Inspect Cable Assembly (Lanyard) for condition and security. BD
3. Verify the Expandable Pins are seated on top of the Links. BD
4. Verify the Safety Clips are properly latched. BD
5. Verify there is no play between the Expandable Pins, Links and Bellcrank. BD
6. Position each Tail Rotor Pedal, one at a time, to the full forward position. Verify there is no Pedal-to-Expandable Pin contact. Verify there is no right Expandable Pin contact with the Control Tube. BD

Signature [redacted] **A & P No.** [redacted]

Signature _____ **Inspector** _____

Annual Inspection Record

Work Order Number: _____
Registration Number: N445MT
Serial Number: 53959
Total Time: 786.3
Date: 08/08/12

Inspect the FOLDING MAINTENANCE STEP for the following in accordance with Section 3.2 ANNUAL INSPECTION.

BD 1. Inspect the Folding Maintenance Step for nicks, scratches, dents, corrosion or cracks.

NOTE

The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), 2) pits in the aluminum or steel surface, 3) blisters, bulging or flaking of protective coatings.

BD 2. Check the folding function of the step.

BD 3. Inspect the attaching fasteners for security.

BD 4. Check the torque value on the attaching hardware and adjust as required to 50-70 in/lbs.

BD 5. Inspect Baggage Door Retention Strap for tears or frays and check attaching fasteners for security.

Signature [redacted] **A & P No.**

Signature _____ **Inspector**

Bell Helicopter 407
Airframe Event 1 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 08/08/12 *N#* 445MT *S/N* 53959 *TT* 786.3

Signature [redacted] *Certificate Number* [redacted]

Helicopter Assy. Mfg

Ident #: *4870* *Reference: CSSD-PSE-87-001*

Insp ID: BD

Perform corrosion inspection for the areas inspected in accordance with the Corrosion Control Guide.

☐ Discrepancy Log page/WO ☐ N/A Why _____

Placards and Marking

Ident #: *4801* *Reference: Chapter 11*

Insp ID: BD

Examine the placards, decals, and markings on the main rotor system. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: *4808* *Reference: Chapter 11*

Insp ID: BD

Examine the placards, decals, and markings of the tail rotor assembly. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Main Rotor System

Ident #: *4807* *Reference: Chapter 62*

Insp ID: BD

Examine the main rotor system for condition and security. Examine the components as follows:

a. The main rotor hub and blades for dirt and obvious damage.

b. The cover and FRAHM assembly for condition and security. (if installed)

c. The hub assembly.

d. The main rotor blades.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor System

Ident #: *4809* *Reference: Chapter 64*

Insp ID: BD

Examine the tail rotor assembly for general condition and security. Examine the components as follows:

a. the retainer nut and the lockwire for damage.

b. the support for damage.

c. the exposed portion of the yoke for damage.

d. the counterweights for damage.

e. the weights and their supports for damage.

f. the two blades of the tail rotor for damage.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor System

Ident #: *4810* *Reference: Chapter 64*

Insp ID
BD

Examine the tail rotor yield indicator for damage. If the support yield indicator clearance is decreased discard the support yield indicator and proceed as follows:

a. discard tail rotor yoke.

b. inspect tail rotor blades for delamination.

c. inspect pitch links for condition.

d. inspect pitch horns for condition.

e. inspect tailboom for condition in tail rotor blade tip path area.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Bell Helicopter 407
Engine Event 1 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BH	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 08/08/12 *N#* 445MT *S/N* 53959 *TT* 786.3

Signature [redacted] *Certificate Number* [redacted]

Engine Mounting System

Ident #: 4903 Reference:

Insp ID: BD

Inspect the engine mounts for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fireseals System

Ident #: 4906 Reference: 72-50-00, para 5.J.

Insp ID: BD

Inspect the horizontal and vertical firewall shields for cracks.

NOTE: CONTINUED SHEET METAL OR TUBE CRACKING MAY BE AN INDICATION OF EXCESSIVE ENGINE, ENGINE ACCESSORY, OR AIRFRAME VIBRATION.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: 4898 Reference:

Insp ID: BD

Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: 4901 Reference:

Insp ID: BD

Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: 4899 Reference: 72-30-00, para 4.B.

Insp ID: BD

Inspect the compressor impeller leading edges for damage.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: 4900 Reference: 72-30-00, para 5.B.

Insp ID: BD

Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: 4904 Reference:

Insp ID: BD

Inspect compressor scroll for cracks. Pay particular attention to welded areas.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fuel System

Ident #: 4902 Reference:

Insp ID: BD

Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check HMU lever for freedom of operation and full travel. Check condition and security of all linkages.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Ignition System

Ident #: 4907 Reference: 74-20-02, para 2.

Insp ID: BD

Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire.

☐ Discrepancy Log page/WO ☐ N/A Why _____

Ignitor/Spark Plug

Ident #: 4908 Reference: 74-20-01, para 2.B.

Insp ID: BD

Perform operational check of igniters.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Anti Ice System

Ident #: 4905 Reference:

Insp ID: BD

Inspect the anti-icing valve and solenoid valve for loose, chafed, frayed or broken wires, loose connections and security of attachment.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Exhaust System, General

Ident #: 4909 Reference: 72-00-00, Table 603, Item 4

Insp ID: BD

Without disassembly, visually inspect turbine and exhaust collector supports and the air tubes for cracks, buckling and general condition.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: 4988 Reference:

Insp ID: BD

Download ECU using EMC-35A Maintenance Terminal program. Check Engine History Data for faults. Check Fault History for Accumulated and Time Stamped faults. Address any faults found as necessary. Clear faults after maintenance action has been completed. Print out the data from each screen and file for future reference.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Final Page

SCHEDULED INSPECTIONS

5-21. 600 HOUR OR 12 MONTH INSPECTION

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH	INITIAL OTHER
	DATE: 7/24/12 W.O. _____ FACILITY: Base 218 HELICOPTER S/N: 53959 REGISTRY NO.: N445MT TOTAL TIME: 766.4 SIGNATURE: [redacted]		
	CAUTION FOR HELICOPTERS OPERATED IN CORROSIVE ENVIRONMENT OR EXTREME ENVIRONMENTAL CONDITIONS, THE RECOMMENDED INTERVAL FOR INSPECTION AND LUBRICATION MUST BE REDUCED TO 600 HOURS OR 6 MONTHS.		
Chapter 62	**MAIN ROTOR HUB AND BLADE**		
	1. Remove main rotor blades from the main rotor hub assembly.		
	2. Remove oil and grease from the main rotor hub, blades, and blade bolts with clean cloths (C-516) dampened with aliphatic naphtha (C-305) or drycleaning solvent (C-304).		
	3. Clean main rotor hub and blades with cleaning compound (C-318). Thoroughly rinse with fresh water and dry with clean cloths.		
	4. Examine main rotor hub and blades for evidence of corrosion. Pay particular attention to the surface around the blade bolt bushings installed in the grip tangs.		
Chapter 62	**5.** If installed, examine the expandable blade bolts for condition and security.		
Chapter 12	**6.** If installed, lubricate the expandable blade bolts.		
	7. Install main rotor blades onto the main rotor hub assembly.		

Bell Helicopter 407
Airframe Event 6 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	
TM		

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 07.11.2012 *N#* 445MT *S/N* 53959 *TT* 745.9

Signature [redacted] *Certificate Number* [redacted]

Helicopter Assy. Mfg

Ident #: 4875 Reference: CSSD-PSE-87-001

Insp ID: BD

Perform corrosion inspection for the areas inspected in accordance with the Corrosion Control Guide.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: 4806 Reference: Chapter 11

Insp ID: BD

Examine the placards, decals, and markings on the aft fuselage. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Placards and Marking

Ident #: 4837 Reference: Chapter 11

Insp ID: BD

Examine the placards, decals, and markings on the landing gear. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Electrical System, General

Ident #: 4862 Reference: Chapter 96

Insp ID: BD

Examine the electrical components, the mounts, and the electrical harness for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Hydraulic Power System

Ident #: 4867 Reference: Chapter 29

Insp ID: BD

Examine the tail rotor hydraulic system for condition, leaks, and security. Examine the components as follows:

a. the pivot bolts of the pilot valve on the actuators for freedom of rotation.

b. the actuator support.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Landing Gear, General

Ident #: 4868 Reference: Chapter 32

Insp ID: BD

Examine the landing gear assembly for condition and security. Examine the components as follows:

a. the skid tubes.

b. the skid saddles.

c. the skid shoes.

d. the retaining strap and rubber cushions.

e. the rocking beam.

f. the crosstubes.

g. the attachment fittings.

☒ Discrepancy Log page/WO 39744 ☐ N/A Why _____

Navigational Data System, General

Ident #: 4865 Reference: Chapter 97

Insp ID: BD

Examine the antenna(s) on the aft fuselage for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Door Warning System

Ident #: 4866 Reference: Chapter 96

Insp ID: BD

Do an operational check of the baggage door annunciator circuit.

☐ Discrepancy Log page/WO ☐ N/A Why

Fuselage Structure Section

Ident #: 4859 Reference: BHT-LIGHT-SRM and Chapter 52

Insp ID: BD

CAUTION: ANY CRACK, CORROSION, OR LOOSE OR SHEARED RIVET IS CAUSE FOR IMMEDIATE GROUNDING OF THE HELICOPTER UNTIL THE PROBLEM IS CORRECTED.

Examine the aft fuselage structure for condtion and security. Examine the components as follows:

a. the upper longeron.

b. all engine mounts and sway bar attachment points.

c. the mid fuselage longeron.

d. the floor of the baggage compartment.

e. the wall of the baggage compartment.

f. the baggage compartment door.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Fuselage Structure Section

Ident #: 4860 Reference: BHT-LIGHT-SRM

Insp ID: BD

Examine the interior of the structure for condition. Examine the condition of the rivets that attach the comjposite skins to the structure.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Fuselage Structure Section

Ident #: 4861 Reference: Chapter 53

Insp ID: BD

Examine the tailboom attachment fittings, on the fuselage and on the tailboom, for condition and security. Pay particular attention to the upper left hand fitting.

☐ Discrepancy Log page/WO _____ ☐ N/A Why

Main Rotor Transmission System

Ident #: 4863 Reference: Chapter 63

Insp ID: BD

Examine the transmission oil lines and other drain lines in the aft fuselage for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Control System

Ident #: 4864 Reference: Chapter 67

Insp ID

Examine the tail rotor control system in the aft fuselage for condition, security, and correct operation.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Steps

Ident #: 4869 Reference: BHT-407-FM-1

Insp ID

Ground run the aircraft. Make sure there are no oil or fuel leaks.

☐ Discrepancy Log page/WO ☐ N/A Why

Final Page

Bell Helicopter 407
Engine Event 6 Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BO	[redacted]	
TM		

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 07.11.2012 *N#* 445MT *S/N* 53959 *TT* 745.9

Signature [redacted] *Certificate Number* [redacted]

Engine Mounting System

Ident #: *4903* *Reference:*

Insp ID: BD

Inspect the engine mounts for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fireseals System

Ident #: *4906* *Reference: 72-50-00, para 5.J.*

Insp ID: BD

Inspect the horizontal and vertical firewall shields for cracks.

NOTE: CONTINUED SHEET METAL OR TUBE CRACKING MAY BE AN INDICATION OF EXCESSIVE ENGINE, ENGINE ACCESSORY, OR AIRFRAME VIBRATION.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4898* *Reference:*

Insp ID: BD

Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Systems

Ident #: *4901* *Reference:*

Insp ID: BD

Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4899* *Reference: 72-30-00, para 4.B.*

Insp ID: TM

Inspect the compressor impeller leading edges for damage.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4900* *Reference: 72-30-00, para 5.B.*

Insp ID: TM

Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.

☐ Discrepancy Log page/WO ☒ N/A Why no dirt build up

Turbine Engine Comp/Fan Section

Ident #: *4904* *Reference:*

Insp ID: TM

Inspect compressor scroll for cracks. Pay particular attention to welded areas.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Fuel System

Ident #: *4902* *Reference:*

Insp ID: BD

Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check HMU lever for freedom of operation and full travel. Check condition and security of all linkages.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Ignition System

Ident #: *4907* *Reference: 74-20-02, para 2.*

Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Ignitor/Spark Plug

Ident #: *4908* *Reference: 74-20-01, para 2.B.*

Perform operational check of igniters.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Air Anti Ice System

Ident #: *4905* *Reference:*

Inspect the anti-icing valve and solenoid valve for loose, chafed, frayed or broken wires, loose connections and security of attachment.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Exhaust System, General

Ident #: *4909* *Reference: 72-00-00, Table 603, Item 4*

Without disassembly, visually inspect turbine and exhaust collector supports and the air tubes for cracks, buckling and general condition.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Burner Section

Ident #: *4910* *Reference: 72-40-00, para 3.*

Inspect and clean the combustion drain valves.

NOTE: Assure the airframe overboard drain lines are clear. Refer to airframe manual for procedures.

Insp ID: BD

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Filter

Ident #: *4912* *Reference: 72-60-00, para 1.C., 72-00-00, para 8.C., 72-50-00, para 5.E., 5.F*

Remove, inspect, clean and reinstall the oil filter.

NOTE: If excessive carbon is found in the filter, inspect the scavenge and pressure oil system.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuel Injector Nozzle

Ident #: *4914* *Reference: 73-10-03*

Clean and inspect the fuel nozzle.

NOTE: Install fuel nozzle with proper number of spacers.

Insp ID: TM

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: *4988* *Reference:*

Insp ID: BD

Download ECU using EMC-35A Maintenance Terminal program. Check Engine History Data for faults. Check Fault History for Accumulated and Time Stamped faults. Address any faults found as necessary. Clear faults after maintenance action has been completed. Print out the data from each screen and file for future reference.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Chip Detector

Ident #: *4911* *Reference: 72-60-00, para 4.B.*

Insp ID: TM

Remove, clean, operationally test, and reinstall the magnetic drain plugs. Inspect the locking pins and flanged inserts of the quick disconnect chip detectors for wear.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Oil Distribution System

Ident #: *4913* *Reference: 72-50-00, para 5.E.*

Insp ID: TM

Measure and record power turbine support pressure oil nozzle flow from scavenge oil strut. Record and retain flow record.

Flow _____

Compare with previous flow. Any large deviation could indicate carbon buildup.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Mounting System

Ident #: *4919* *Reference: 72-00-00, para 1.A. (3), Engine-Inspection/Check*

Insp ID: BD

Inspect rear engine mount for security and excessive bearing wear.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Turbine Engine Comp/Fan Section

Ident #: *4915* *Reference: 72-30-00, para 5.B.*

Insp ID: TM

Wash compressor.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Oil Distribution System

Ident #: *4916* *Reference: 72-50-00, para 5.G.*

Insp ID: TM

Clean power turbine suppoort scavenge oil strut.

NOTE: The flow check must be accomplished after compliance with oil system cleaning.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Oil Distribution System

Ident #: *4917* *Reference: 72-50-00, para 5.G.*

Insp ID: TM

Clean power turbine external sump can.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Oil Distribution System

Ident #: *4918* *Reference: 72-50-00, para 5.F.*

Insp ID: TM

Clean pressure oil fitting & screen assembly. Clean power turbine pressure oil nozzle. CAUTION: EXTREME CARE SHOULD BE EXERCISED TO PREVENT TWISTING OF OIL NOZZLE DURING REMOVAL. DO NOT ATTEMPT TO STRAIGHTEN OR REUSE IF TWISTED.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Oil Distribution System

Ident #: *4920* *Reference: 72-30-00, para 2.A. (1)*

Insp ID: BD

Clean No. 1 bearing oil pressure reducer.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

Bell Helicopter 407
Airframe 12 Month Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
TM	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 04.27.2012 *N#* 445MT *S/N* 53559 *TT* 650.1

Signature [redacted] *Certificate Number* [redacted]

Electrical System, General

Ident #: *4884* *Reference: Chapter 96*

Insp ID TM

Examine the electrical harness for condition and security in the locations that follow:

a. the pedestal.

b. the crew seats.

c. the vertical tunnel.

d. the roof beam.

e. the hat bin area.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Electrical System, General

Ident #: *4987* *Reference: Chapter 96*

Insp ID TM

Perform functional test of the entire electrical system using troubleshooting chart.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuel System, General

Ident #: *4886* *Reference: Chapters 28 and 96* 106 #5

Insp ID TM

Examine the operation of the low fuel warning system in the main fuel tank. Examine the operation of the check valves for the forward fuel cell transfer pumps. Examine the fuel system shutoff valve and components for condition, leaks and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Fuselage Structure Section

Ident #: *4883* *Reference: Chapter 53*

Insp ID TM

CAUTION: ANY CRACK, CORROSION, OR LOOSE OR SHEARED RIVET IS CAUSE FOR IMMEDIATE GROUNDING OF THE HELICOPTER UNTIL THE PROBLEM IS CORRECTED.

Examine the structure for condition in the locations that follow:

a. the pedestal.

b. the crew seats.

c. the vertical tunnel.

d. the roof beam.

e. the hat bin.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Boom Structure Section

Ident #: *4887* *Reference: Chapters 8, 53, 67 and 96*

Insp ID: TM

Examine the following parts on the tailboom for condition and security:

a. the ballast (if installed).

b. the controls.

c. the horizontal stabilizer.

d. the electrical harness.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4877* *Reference: Chapter 67*

Insp ID: TM

Examine the controls for condition, security and correct operation. Examine them in the locations that follow:

a. the pedestal.

b. the crew seats.

c. the tunnel.

d. the roof beam.

e. the hat bin area.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Control System

Ident #: *4878* *Reference: Chapter 67*

Insp ID: TM

Examine the components of the airspeed-actuated pedal stop for condition, security and correct operation. Examine the components that follow:

a. the solenoid.

b. the cam.

c. the release cable.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Control System

Ident #: *4879* *Reference: Chapter 67*

Insp ID: TM

Operate the manual cable release mechanism for the cam. Examine for correct operation and that friction is within the limits specified. Safety the cable release handle with lockwire (C-554).

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Control System

Ident #: *4880* *Reference: Chapter 96*

Insp ID: TM

Perform a pedal restrictor control system operational check.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Tail Rotor Control System

Ident #: *4881* *Reference: Chapter 67*

Insp ID

Examine all fluid flexible and rigid lines for condition, leaks and security. Examine them in the locations that follow:

a. the vertical tunnel.

b. the roof beam.

c. the hat bin area.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Mounting System

Ident #: *4885* *Reference: Chapter 53*

Insp ID

Examine the forward engine mount attachment points for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Engine Controls System, General

Ident #: *4882* *Reference: Chapter 76*

Insp ID

Examine the throttle control cable for condition and security. Examine it in the locations that follow:

a. the crew seats.

b. the vertical tunnel.

c. the roof beam.

☐ Discrepancy Log page/WO ☐ N/A Why

Final Page

Table 5-3. Signature Sheet for Special Inspection

Log Book Page
036629

DATE: 23.05.2012 W.O. _____

FACILITY: Base 218 Mason City, Iowa

HELICOPTER S/N: 53959

REGISTRY NO.: N445MT

TOTAL TIME: 591.1

SIGNATURE: [redacted]

COMPONENT	INSPECTION SCHEDULE					
	HOURS AFTER INITIAL INSTALLATION				SIGNATURE	
	AFTER GROUND RUN	1 TO 5 HOURS	10 TO 25 HOURS	100 ±10 HOURS	MECH	OTHER
Main Rotor Hub Mast Nut Torque Check	X	X△1				
Main Rotor Hub Through Bolt Torque Check	X	X△1				
Main Rotor Hub Lower Cone Torque Check	X	X△1				
Tail Rotor Gearbox Torque Check			X△2	300 HR	TM	
All Tail Rotor Driveshaft Disc Pack Couplings Torque Check			X△2			
Tail Rotor Hub Mast Nut Torque Check		X△3				
Engine Mounts Torque Check				X		
Tailboom Attachment Hardware Torque Check		X△3				
Transmission Top Case Torque Check				X		
Swashplate Tilt Friction			X△4			
Fuel System	Immediately after maintenance or component change△5					

Table 5-3. Signature Sheet for Special Inspection (Cont)

NOTES:

1. Torque check must be repeated every 1 to 5 hours until torque is stabilized.
2. Torque check must be repeated every 10 to 25 hours until the torque is stabilized. After the torque has stabilized, repeat the torque check every 300 flight hours (specified in progressive inspection).
3. Torque check must be repeated every 1 to 5 hours until torque is stabilized. After the torque has stabilized, repeat the torque check every 300 flight hours (specified in progressive inspection).
4. Repeat the swashplate tilt friction check every 300 flight hours (specified in progressive inspection).
5. Complete fuel system operational check immediately after fuel system maintenance or component change (Chapter 28).

Bell Helicopter 407
Airframe Optional Equipment 300 Hour Inspection

Checklist Instructions

1. The "Insp ID" block corresponding to each task must be initialed to indicate compliance by the individual performing the task.

2. If a discrepancy is found during an inspection task, the "Discrepancy" block must be checked. Enter all discrepancies found (and corrective actions taken) in the Aircraft Logbook. Repair Stations may use a discrepancy list of it's own design and control. If the "Discrepancy" block is checked, enter the Aircraft Logbook page or Work Order Number (repair stations only may use a work order) where the discrepancy is entered, in the blank provided next to the "Discrepancy" block.

3. If a task on the inspection form is not applicable to the aircraft, engine, or optional equipment installed. the "N/A" block must be checked and the the reason why entered in the blank. Example: By P/N, By S/N, Not Installed. Previously complied with or P/C/W is not acceptable. The "Insp ID" block must be initialed by the person that determined the task was not applicable.

4. After reviewing the entire checklist for proper completion, the technician completing the inspection shall attach this checklist to the appropriate Inspection Compliance Form.

All technicians that have initialed the inspection checklist(s) attached to this form must initial, sign and enter the appropriate certificate type and number in the spaces provided below.

Initials	*Signature*	*Certificate Type and Number*
BD	[redacted]	

FINAL REVIEW

Inspection forms have been reviewed and are complete. All discrepancies have been listed in the Aircraft Logbook or Work Order in compliance with FAR 43.11 (b).

Inspection approval or disapproval entry has been made in the Daily Maintenance Record in accordance with FAR 43.11(a).

Date 02/28/2012 *N#* N445MT *S/N* 53959 *TT* 588.9

Signature [redacted] *Certificate Number* [redacted]

Landing Gear, General

Ident #: *4897* *Reference: Chapter 32*

Insp ID: BD

Examine the crosstube fairings for condition and security.

☐ Discrepancy Log page/WO _____ ☒ N/A Why _____

Main Rotor Blade System

Ident #: *4893* *Reference: Chapter 62*

Insp ID: BD

Examine the expandable blade bolts for condition and security.

☐ Discrepancy Log page/WO _____ ☒ N/A Why _____

Rotor Brake System

Ident #: *4894* *Reference: Chapter 63*

Insp ID: BD

Examine the rotor brake assembly for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Rotorcraft Flight Control System, General

Ident #: *4895* *Reference: Chapter 67*

Insp ID: BD

Examine the dual controls for condition and security.

☐ Discrepancy Log page/WO _____ ☒ N/A Why _____

Engine Air Intake System

Ident #: *4892* *Reference: Chapter 71*

Insp ID: BD

Examine the particle separator for condition and security

☐ Discrepancy Log page/WO _____ ☒ N/A Why _____

Engine Air Intake System

Ident #: *4896* *Reference: Chapter 71*

Insp ID: BD

Examine the snow deflector baffles for condition and security.

☐ Discrepancy Log page/WO _____ ☐ N/A Why _____

Final Page

300 Hour / Annual Inspection Record

Work Order Number: _____

Registration Number: N445MT

Serial Number: 53959

Total Time: 549.1

Date: 01.17.2012

Inspection intervals shall be performed every 300 hours and/or annually, whichever comes first. Inspection may be incorporated into progressive maintenance programs, as appropriate.

NOTE

Removal of Replacement Crosstubes from helicopter is not required for inspection. If any damage is noted during the inspection, refer to Section 3.4 Repair or Section 4.0 Troubleshooting Information.

NOTE

The indications of corrosion are 1) corrosion deposits (a white or gray colored deposit/powder on aluminum; or amber or brown colored deposits/powder on steel), 2) pits in the aluminum or steel surface, 3) blisters, bulging, or flaking of protective coatings.

1.	Inspect crosstube for corrosion or damage (scratches, nicks, dents, and cracks). Refer to the zones shown in Figures 1 and 2 and Tables 7 and 8.	TM
2.	Inspect abrasion strips, forward crosstubes, for de-bonding. Replace as needed. (See section 5.4.)	TM
3.	Inspect attachment of crosstubes to helicopter fittings and straps for security.	TM
4.	Inspect Clamp Assemblies on crosstube for condition and security.	
5.	Inspect T-Bolt Band Clamps on forward crosstube for condition and security. Retorque fastener as needed, per Table 3. [Delamination of nylon coating is NOT allowed. Damage (scratches, nicks, dents), completely through or exceeding the thickness of the nylon coating is NOT allowed. Replace as needed.]	TM
6.	Remove landing gear fairings, if installed, and inspect for condition.	N/A
7.	Inspect attachment of crosstube to skid saddles for condition and security.	TM
8.	Only one repair per zone (L/H, R/H) is permissible. Crosstube components exceeding the limits shown in Table 2 must be replaced.	TM
9.	Check the torque values on the screws per Table 3. Retorque fasteners as required.	TM
10.	Check all sealant and paint for condition and touch up any damaged sealant or paint.	TM

Signature [redacted] **A & P No.** [redacted]

Signature _____ **A & P No.** _____

3.0 MAINTENANCE INSTRUCTIONS

3.1 300 HOUR / ANNUAL INSPECTION

Inspection intervals shall be performed every 300 hours and/or annually, whichever comes first. Inspection may be incorporated into progressive maintenance programs, as appropriate.

NOTE

Removal of Replacement Crosstubes from helicopter is not required for inspection. If any damage is noted during the inspection, refer to Section 3.4 Repair or Section 4.0 Troubleshooting Information.

NOTE

The indications of corrosion are 1) corrosion deposits (a white or gray colored deposit/powder on aluminum; or amber or brown colored deposits/powder on steel), 2) pits in the aluminum or steel surface, 3) blisters, bulging, or flaking of protective coatings.

1. Inspect crosstube for corrosion or damage (scratches, nicks, dents, and cracks). Refer to the zones shown in Figures 1 and 2 and Tables 7 and 8.

2. Inspect abrasion strips, forward crosstubes, for de-bonding. Replace as needed. (See section 5.4.)

3. Inspect attachment of crosstubes to helicopter fittings and straps for security.

4. Inspect Clamp Assemblies on crosstube for condition and security.

5. Inspect T-Bolt Band Clamps on forward crosstube for condition and security. Retorque fastener as needed, per Table 3. Delamination of nylon coating is NOT allowed. Damage (scratches, nicks, dents), completely through or exceeding the thickness of the nylon coating is NOT allowed. Replace as needed.

6. Remove landing gear fairings, if installed, and inspect for condition.

7. Inspect attachment of crosstube to skid saddles for condition and security.

8. Only one repair per zone (L/H, R/H) is permissible. Crosstube components exceeding the limits shown in Table 2 must be replaced.

9. Check the torque values on the screws per Table 3. Retorque fasteners as required.

10. Check all sealant and paint for condition and touch up any damaged sealant or paint.

11. Utilize the Inspection Record provided in Appendix A to document Inspection completion.

3.5 CLEANING REQUIREMENTS

NOTE

Use of aggressive and/or abrasive cleaning agents may result in de-bonding of abrasion strips (P/N 601-033-123).

Any dirt, sand, or debris should be cleaned from the Replacement Crosstubes using a mild, nonabrasive soap. Wipe surface dry with a nonabrasive cloth or paper before cleaning agent evaporates.

3.6 ADJUSTMENTS

Adjustments of the Replacement Crosstubes are not required. Apply the following torque to all fasteners noted during component or fastener replacement (torque all fasteners in accordance with Table 3):

1. Torque the fasteners attaching the Saddles to the Crosstubes (5/16 Fastener Size) in accordance with Table 3.

2. Torque the fasteners attaching the T-Bolt Clamps (1/4 Fastener Size) in accordance with Table 3.

TABLE 3. TORQUE VALUES

Fastener Size	Torque (In-Lbs)
1/4	40-50
5/16	100-140

4.0 TROUBLESHOOTING INFORMATION

TABLE 4. TROUBLESHOOTING

Problem	Probable Cause	Remedy
Landing Gear/Crosstube is loose or has excessive vibration	Attachment components or fasteners loose, damaged, or missing	Check security of crosstube attachment components. Check torque on all fasteners according to Table 3
	Crosstube is damaged allowing movement	Check Crosstube for cracks or other damage in accordance with Table 2. Repair or replace parts as required
Aircraft does not sit level	Forward or Aft Crosstube is spread	Perform Crosstube Hard Landing Inspection per Section 3.2. Replace Components as required