

Attachment 6
Major Repairs and
Alterations



U.S. Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

RECEIVED

Form Approved
OMB No. 2120-0020
For FAA Use Only
Office Identification

AUG 03 2007

ALLENTOWN FSDO

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make SIKORSKY	Model S-61N
	Serial No. 61297	Nationality and Registration Mark N612AZ
2. Owner	Name (As shown on registration certificate) CARSON HELICOPTERS INC	Address (As shown on registration certificate) 828 BROOKSIDE BLVD GRANTS PASS OR 97526-7211

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft only, subject to conformity inspection by a person authorized in FAR Part 43, Section 43.7

AEA-FSDO-05 Date 8/7/07 FAA Inspector

4. Unit Identification

Unit	Make	Model	Serial No.	5. Type	
				Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Carson Helicopters Inc. 952 Blooming Glen Rd. Perkasie, PA 18944	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. NBER647G Limited S-61 Series
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 12-31-07	Signature of Authorized Individual Rodney Manogue
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 12-31-07	Certificate or Designation No. NBER647G	Signature of Authorized Individual David Wolf
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Replaced existing fuel tank filler caps, Shawn Aero p/n 416-50, with Shaw Aero p/n 416-1601. These incorporate a key locking feature for additional security.

This installation previously approved on N612RM, s/n 61744, dated 6-2-05, copy attached.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS CHECKLIST

1. INTRODUCTION - See above.
2. DESCRIPTION - See above.
3. CONTROL, OPERATION INFORMATION - See above.
4. SERVICE INFORMATION - N/A
5. MAINTENANCE INSTRUCTIONS - Sikorsky Inspection Program, SA4047-13, or Carson Services, Inc. Continuous Airworthiness Inspection Program, or FAR Part 43, App D (g).
6. TROUBLE SHOOTING INFORMATION - N/A
7. REMOVAL & REPLACEMENT INFORMATION - See above.
8. DIAGRAMS - N/A
9. SPECIAL INSPECTIONS - N/A
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations.
16. REVISION - By letter to FSDO, including new, revised 337.

-----END-----

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

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AUG 13 2007

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AEA-FSDO-05 Date 08/10/07 FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Carson Helicopters Inc. 952 Blooming Glen Rd. Perkasie, PA 18944	B. Kind of Agency		C. Certificate No. NBER647G Limited S-61 Series
	<input type="checkbox"/>	U.S. Certificated Mechanic	
	<input type="checkbox"/>	Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/>	Certificated Repair Station	
	<input type="checkbox"/>	Manufacturer	

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Date 12-31-07	Signature of Authorized Individual Roy Fluck
------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 12-31-07	Certificate or Designation No. NBER647G	Signature of Authorized Individual David Wolf
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed ARTEX model C 406-N HM, which transmits on 121.5, 243.0 and 406.028 MHz, at Station 521. Installation accomplished, including coupling with the existing A/C GPS model Garmin 155XL, in accordance with manufacturers instructions, document #570-5060.

This installation previously approved on N612RM, s/n 61744, dated 11-2-06.

Aircraft equipment list amended to reflect this installation.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS CHECKLIST

1. INTRODUCTION - See above.
2. DESCRIPTION - See above.
3. CONTROL, OPERATION INFORMATION - Manufactures manual # 570-5060.
4. SERVICE INFORMATION - Manufactures manual # 570-5060.
5. MAINTENANCE INSTRUCTIONS - Manufactures manual # 570-5060.
6. TROUBLE SHOOTING INFORMATION - Manufactures manual # 570-5060.
7. REMOVAL & REPLACEMENT INFORMATION - Manufactures manual # 570-5060.
8. DIAGRAMS - N/A
9. SPECIAL INSPECTIONS - I/A/W FAR 91.207 and manufacturers instructions.
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations.
16. REVISION - By letter to FSDO, including new, revised 337.

----- END -----

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION RECEIVED
(Airframe, Powerplant, Propeller, or Appliance)

AUG 03 2007

Form Approved
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Office Identification

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AEA-FSDO-05 Date 08/10/07 FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

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Date 12-31-07	Signature of Authorized Individual Roy Fluck
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 12-31-07	Certificate or Designation No. NBER647G	Signature of Authorized Individual David Wolf
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NOTICE

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8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed an electrical chip detector system for the engines as follows:

Installed wiring, awg 20, from the 28 VDC essential bus, thru 5 AMP circuit breakers located in the AC Circuit breaker panel, thru holding relays, thru standard cannon plugs to a electrical chip detector that is installed in an existing fitting port on the engine accessory gear box.

The holding relay is introduced in Service Bulletin 61B55-39 for use in transmission chip detector systems in this A/C.

The electrical chip detector, P/N 3307481, is a GE approved alternate and replaces an existing non electrical chip plug.

The indicating system consists of wiring from the holding relays and added to unused capsules in the aircraft No. 1 auxiliary warning panel which is located in the cockpit in the center console. These are marked #1 ENG ACCY & #2 ENG ACCY. A placard is installed near this warning panel which states:

IF ENG ACCY ILLUMINATES LAND AS SOON AS PRACTICABLE

This installation was accomplished following the instructions in the General Electric Maintenance Manual (installing the chip detector), and AC 43.13-1A, Chap. 11, Sect 3, Par 442, 443, 444, 446, 448, 448, 450; Sect 4, Par 464; Sect 5 Par 478, 479, 480; Sect 7 Par 514 thru 520.

See attached drawing for this system.

This installation previously field approved on N116AZ, s/n 61242, dated 2-13-6, copy attached.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

1. INTRODUCTION - See block 8.
2. DESCRIPTION - See block 8.
3. CONTROL, OPERATION INFORMATION - N/A
4. SERVICE INFORMATION - N/A
5. MAINTENANCE INSTRUCTIONS - Sikorsky Inspection Program, SA4047-13, or Carson Services, Inc. Continuous Airworthiness Inspection Program, or FAR Part 43, App D (g).
6. TROUBLE SHOOTING INFORMATION - N/A
7. REMOVAL & REPLACEMENT INFORMATION - See block 8.
8. DIAGRAMS - Wiring diagram attached.
9. SPECIAL INSPECTIONS - N/A
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations
16. REVISION - By letter to FSDO including new, revised 337.

END

Additional Sheets Are Attached



MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

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ALLENTOWN FSDO

Form Approved
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1. Aircraft	Make SIKORSKY	Model S-61N
	Serial No. 61297	Nationality and Registration Mark N612AZ
2. Owner	Name (As shown on registration certificate) CARSON HELICOPTERS INC	Address (As shown on registration certificate) 828 BROOKSIDE BLVD GRANTS PASS OR 97526-7211

3. For FAA Use Only

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AEA-FSDO-05 Date 08/16/07 FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Carson Helicopters Inc. 952 Blooming Glen Rd. Perkasie, PA 18944	B. Kind of Agency	C. Certificate No. NBER647G Limited S-61 Series
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	Manufacturer	

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Date 12-31-07	Signature of Authorized Individual Roy Fluck
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 12-31-07	Certificate or Designation No. NBER647G	Signature of Authorized Individual David Wolf		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed Strobe Lighting System, Whelan Model A413-HDA,DF-14/28, as supplemental anti-collision lighting as there is no strobe installed on the L/H side. Installation accomplished as per manufacturers instructions & AC 43.13-2A, Chap. 4, Para. 52, 54, 55, and 56.

This installation previously field approved on N116AZ, s/n 61242, date 1-23-96, copy attached.

Aircraft equipment list amended to reflect this installation.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS CHECKLIST

1. INTRODUCTION - See above.
2. DESCRIPTION - See above.
3. CONTROL, OPERATION INFORMATION - See manufacturers manual.
4. SERVICE INFORMATION - See manufacturers manual.
5. MAINTENANCE INSTRUCTIONS - Sikorsky Inspection Program, SA4047-13, or Carson Services, Inc. Continuous Airworthiness Inspection Program, or FAR Part 43, App D (g).
6. TROUBLE SHOOTING INFORMATION - See manufacturers manual.
7. REMOVAL & REPLACEMENT INFORMATION - See manufacturers manual.
8. DIAGRAMS - N/A
9. SPECIAL INSPECTIONS -
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations.
16. REVISION - By letter to FSDO, including new, revised 337.

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Additional Sheets Are Attached

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	Serial No. 61297	Nationality and Registration Mark N612AZ
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AEA-FSDO-05 Date 08/16/07 FAA Inspector [Redacted]

4. Unit Identification

Unit	Make	Model	Serial No.	5. Type	
				Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Carson Helicopters Inc. 952 Blooming Glen Rd. Perkasie, PA 18944	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. NBER647G Limited S-61 Series
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Date 12-31-07	Signature of Authorized Individual Roy Fluck [Redacted]
------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 12-31-07	Certificate or Designation No. NBER647G	Signature of Authorized Individual David Wolf [Redacted]
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NOTICE

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8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Replaced existing manufacturer provided aircraft master start switch with key lock switch, Tyco Electronics p/n SWK123F315. This switch is rated at 15A at 28 VDC. Circuit protection provided by existing 5 Amp CB.

This installation previously approved on N XXXXXX

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS CHECKLIST

1. INTRODUCTION - See above.
2. DESCRIPTION - See above
3. CONTROL, OPERATION INFORMATION - See above.
4. SERVICE INFORMATION - N/A
5. MAINTENANCE INSTRUCTIONS - Sikorsky Inspection Program, SA4047-13, or Carson Services, Inc. Continuous Airworthiness Inspection Program, or FAR Part 43, App D (g).
6. TROUBLE SHOOTING INFORMATION - N/A
7. REMOVAL & REPLACEMENT INFORMATION - See above.
8. DIAGRAMS - See applicable Sikorsky wiring diagram.
9. SPECIAL INSPECTIONS - N/A
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations.
16. REVISION - By letter to FSDO, including new, revised 337.

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AEA-FSDO-05

Date 08/10/07

FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

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(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed Sky Connect Tracker-AFF system, which is an aircraft tracking system that transmits aircraft position, speed, direction, and altitude to select ground stations. The installation consists of a transceiver, antennas and required wiring and system controls. The transceiver is installed in the cockpit below the instrument panel at Sta 92, approximate. Power switch is located on existing mounting bracket on aircraft R/H main oleo strut. Two antenna's are mounted on brackets manufactured from 2024T3, .063. and installed on aircraft exterior above and slightly aft of cockpit side windows at Sta 114, WL 173.

Power is supplied from DC essential bus and circuit protection is provided by a 2 amp circuit breaker.

Installation of transceiver per manufacturers installation instructions and AC 43.13-2A, Chapter 2, para 21, 22, 24, 26, 27. Installation of antenna's per AC 43.13-2A, Chapter 3, para. 36.

This system is approved under STC ST01634NY for Cessna 525.

A/C equipment list and weight & balance amended.

This installation previously approved for N7011M, s/n 61-216, 4-28-05, copy attached.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS CHECKLIST

1. INTRODUCTION - See above.
2. DESCRIPTION - See above
3. CONTROL, OPERATION INFORMATION - See above.
4. SERVICE INFORMATION - See above.
5. MAINTENANCE INSTRUCTIONS - Sikorsky Inspection Program, SA4047-13, or Carson Services, Inc. Continuous Airworthiness Inspection Program, or FAR Part 43, App D (g).
6. TROUBLE SHOOTING INFORMATION - See equipment manufacturers manual.
7. REMOVAL & REPLACEMENT INFORMATION - See above.
8. DIAGRAMS - See equipment manufacturers manual.
9. SPECIAL INSPECTIONS - N/A
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations.
16. REVISION - By letter to FSDO, including new, revised 337.

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U.S. Department of Transportation
Federal Aviation Administration

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(Airframe, Powerplant, Propeller, or Appliance)

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2. Owner	Name (As shown on registration certificate) CARSON HELICOPTERS INC	Address (As shown on registration certificate) 828 BROOKSIDE BLVD GRANTS PASS OR 97526-7211

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft only, subject to conformity inspection by a person authorized in FAR Part 43, Section 43.7.

AEA-FSDO-05 Date 8/7/07 FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Carson Helicopters, Inc. 952 Blooming Glen Rd. Perkasie, Pa.	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. S-61 Series Limited airframe
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 8-10-07	Signature of Authorized Individual Rodney Manogue
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 8-10-07	Certificate or Designation No. NBER647G	Signature of Authorized Individual David Wolf
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Replaced the existing manufacturer cargo hook installation with an similar installation that is STC approved for the S-61N, STC SH639NE.

This installed system consists of a cargo hook that is listed in the STC, attachment cables, dog ears, and attachment hardware. An electrical relay was added, the circuit breaker was changed from a 10 amp to a 20 amp, and the cannon plug was changed to fit onto the cargo hook.

No structural changes were made to the aircraft supporting structure.

This installation does not effect or change the aircraft total gross weight as stated in the S-61N Rotorcraft Flight Manual.

This installation previously field approved on N4263A, s/n 61551, dated 11/6/95, copy attached..

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

1. INTRODUCTION - See block 8.
2. DESCRIPTION - See block 8.
3. CONTROL, OPERATION INFORMATION - See S-61 maintenance manual.
4. SERVICE INFORMATION - See S-61 maintenance manual.
5. MAINTENANCE INSTRUCTIONS - Sikorsky Inspection Program, SA4047-13, or Carson Services, Inc. Continuous Airworthiness Inspection Program, or FAR Part 43, App D (g).
6. TROUBLE SHOOTING INFORMATION - See S-61 maintenance manual.
7. REMOVAL & REPLACEMENT INFORMATION - See STC.
8. DIAGRAMS - See STC.
9. SPECIAL INSPECTIONS - N/A
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations
16. REVISION - By letter to FSDO including new, revised 337.

END

Additional Sheets Are Attached

RECEIVED

AUG 03 2007

Form Approved
OMB No. 2120-0020



U.S. Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

WELTONTOWN FSDO

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make SIKORSKY	Model S-61N
	Serial No. 61297	Nationality and Registration Mark N612AZ
2. Owner	Name (As shown on registration certificate) CARSON HELICOPTERS INC	Address (As shown on registration certificate) 828 BROOKSIDE BLVD GRANTS PASS OR 97526-7211

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft only, subject to conformity inspection by a person authorized in FAR Part 43, Section 43.7

AEA-FSDO-05 Date 08/10/07 FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~(As described in Item 1 above)~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Carson Helicoptes, Inc. 952 Blooming Glen Rd. Perkasie, Pa. 18944	B. Kind of Agency	C. Certificate No. NBER647G S-61 Series, Limited Airframe
	<input type="checkbox"/> U.S. Certificated Mechanic	
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 8-10-07	Signature of Authorized Individual Rodney Manogue
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 8-10-07	Certificate or Designation No. NBER647G	Signature of Authorized Individual David Wolf		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

An external instrument support was fabricated and installed on the L/H side of the cockpit area at Sta. 80, WL 127. This contains an additional Torquemeter and Load Cell indicator. A 4" x 4" section of skin was removed from this area and a doubler was installed around the perimeter of this cut out. The mount was fabricated from 2024-T3 .040 and installed using standard aviation hwd. Prior to installation, the additional indicators are installed in the mount, which is then fastened to the cut out area by means of standard aviation hwd. Two additional wires are attached into the existing cockpit indicator wiring and the wiring is routed to the cut out and cannon plugs are installed. This installation accomplished in accordance with AC 43.13-1A, Chap. 2, Sect 3, para. 95, 96, 97, 99; AC 43.13-2A, Chap. 11, para. 211 thru 214. A static load test was performed and found acceptable. This installation previously field approved on N116AZ, s/n 61242, dated 1-23-96, copy attached.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS CHECKLIST

1. INTRODUCTION - See above.
2. DESCRIPTION - See above.
3. CONTROL, OPERATION INFORMATION - N/A
4. SERVICE INFORMATION - N/A
5. MAINTENANCE INSTRUCTIONS - Sikorsky Inspection Program, SA4047-13, or Carson Services, Inc. Continuous Airworthiness Inspection Program, or FAR Part 43, App D (g).
6. TROUBLE SHOOTING INFORMATION - N/A
7. REMOVAL & REPLACEMENT INFORMATION - See above.
8. DIAGRAMS - N/A
9. SPECIAL INSPECTIONS - N/A
10. APPLICATION OF PROTECTIVE TREATMENTS - N/A
11. DATA - N/A
12. LIST OF SPECIAL TOOLS - N/A
13. FOR COMMUTER AIRCRAFT - N/A
14. RECOMMENDED OVERHAUL PERIODS - No additional overhaul limitations
15. AIRWORTHINESS LIMITATION SECTION - No additional airworthiness limitations.
16. REVISION - By letter to FSDO, including new, revised 337.

----- END -----

Additional Sheets Are Attached