



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

Form Approved
OMB No. 2120-0020
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 <i>Cessna</i>	Model <i>172R</i>
	Serial No. <i>17280629</i>	Nationality and Registration Mark <i>N4118A</i>
2. Owner	Name (As shown on registration certificate) <i>ODDEN LEASING</i>	Address (As shown on registration certificate) <i>930 Broadway Kansas City, Mo 64105-1509</i>

3. For FAA Use Only

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 <i>Donald E Way JR. 8718 E 27th St. Tulsa OK 74129</i>	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <div style="text-align: center; font-size: 1.2em;"><i>AP53660824</i></div>
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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 <i>24 Jun 99</i>	Signature of Authorized Individual <i>Don E Way</i>
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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	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <i>6-24-99</i>	Certificate or Designation No. <i>432578630</i>	Signature of Authorized Individual <i>Donald E. Way</i>
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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.)

Found firewall cracked at lower cowling shock mount bracket adjacent to battery box. crack extended from bracket attach rivet holes vertically and totalled approximately $2\frac{3}{4}$ " in length. Fabricated doubler patch from .030" stainless steel $9\frac{1}{4}$ " wide and 10" long. Installed on outside of firewall under battery box using monel rivets. sealed firewall with CMNP009 Firewall sealant. all work was done in accordance with Cessna SB 98-53-02 and Cessna 172R structural Repair Manual. see attached figure #1 of SB 98-53-02 for approximate location of crack.

END

Additional Sheets Are Attached



U.S. Department
of Transportation
Federal Aviation
Administration

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1. Aircraft	Make Cessna	Model 172R
	Serial No. 17280629	Nationality and Registration Mark N4118A
2. Owner	Name (As shown on registration certificate) Spartan Aviation Industries Inc.	Address (As shown on registration certificate) 8820 E. Pine St. Tulsa, Ok 74155-5802

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
Lloyd Lane Jr. 3352 E. 83rd Pl. Tulsa, Ok. 74137	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	451774090
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input 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 April 29, 2005	Signature of Authorized Individual Lloyd Lane Jr.
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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	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection April 29, 2005		Certificate or Designation No. 053660824		Signature of Authorized Individual Donal E. Way Jr.	

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.)

Removed Gill Battery G-241 and installed Concord battery P/N RG 24-15 S/N 40070399 in accordance with STC #SA00897WI, a Concord Maintenance Free Battery in accordance with Wilco, Inc. Master Drawing List #W3556015.

*****NOTHING FOLLOWS*****

*****NOTHING FOLLOWS*****

Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N4118A	Serial No. 17280629
	Make ^{JE} Piper CESSNA	Model 172R
2. Owner	Name (As shown on registration certificate) SPARTAN AVIATION INDUSTRIES, INC.	
	Address (As shown on registration certificate) Address 8820 E. PINE ST.	
	City TULSA State OK	Zip 74115 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Edward L. Dietlin	Address 8904 Airport Way City Tulsa State OK Zip 74132 Country USA	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	2117454
		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 05-28-2010
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 2014485	Signature/Date of Authorized Individual
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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.

N4118A

05-28-2010

8. Description of Work Accomplished

Nationality and Registration Mark

Date

Repair Co pilot seat Back at R/H side. Frame is made of 5052-0 aluminum as per Factory Engineering. Frame TIG welded using 5556 rod as filler. All work done IAW AC43.13-1B Chg 1 4-74 a. d. e. f. (3) 4-75 (a) 4-76 4-77 a. b. 4-78 (a) (b) (c) (d) (e) (f) (g) Table 4-12 PAR 4-79 4-81 4-83 4-86d. (1) (2) (3) Fig 4-30 Table 4-15. No heat treatment required. Repair meets requirement of FAR 43.13 (b).

END

A. Agency Name and Address		B. Kind of Agency		C. Type of Work		D. Date	
Edward J. Quinn 5800 Grand Ave Tulsa 74132 USA		FAA Repair Station		Repair		05-28-2010	
Signature of Authorized Individual		Signature of Authorized Individual		Signature of Authorized Individual		Signature of Authorized Individual	
[] Additional Sheets Are Attached		[] Additional Sheets Are Attached		[] Additional Sheets Are Attached		[] Additional Sheets Are Attached	



U.S. Department of Transportation
Federal Aviation Administration

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Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
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1. Aircraft	Nationality and Registration Mark N4118A	Serial No. 17280629	
	Make Cessna	Model 172R	Series
2. Owner	Name (As shown on registration certificate) Spartan Aviation Industries Inc.	Address (As shown on registration certificate) Address 8820 E. Pine St.	
		City <u>Tulsa</u> State <u>OK</u> Zip <u>74115-5802</u> Country <u>USA</u>	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>Oliver I. Cuestas</u>	Address <u>909 E. Hummingbird St.</u> City <u>Roma</u> State <u>TX</u> Zip <u>78584</u> Country <u>USA</u>	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	2725388
		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual Oliver I. Cuestas 20 July 2010
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. 053660824		Signature/Date of Authorized Individual Donald E. Way Jr. 20 July 2010		

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.)

N4118A

20 July 2010

Nationality and Registration Mark

Date

Removed and replaced left hand aileron upper skin P/N 0523800-12 and lower skin P/N 0523800-8. All work done in accordance with Cessna 172R structural repair manual. Aileron was balanced after painting and found to be within limits of 0.0 to +11.31 in.

***** NOTHING FOLLOWS *****

Additional Sheets Are Attached



US Department of Transportation
Federal Aviation Administration

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1. Aircraft	Nationality and Registration Mark N4118A	Serial No. 17280629		
	Make Cessna	Model 172	Series R	
2. Owner	Name (As shown on registration certificate) Spartan Aviation Industries, Inc.			
	Address (As shown on registration certificate) Address 8820 E. Pine St.			
	City Tulsa		State OK	
	Zip 74115-5802		Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Edward L. Dietlin	Address 8904 Airport Way City Tulsa State OK Zip 74132 Country USA	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	2117454
		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 10-5-2010
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 2730736	Signature/Date of Authorized Individual 10-5-2010
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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.

N4118A

10-5-2010

8. Description of Work Accomplished

Nationality and Registration Mark

Date

Repair Co pilot seat Back R/H Head Rest. Frame is made of 5052-0 aluminum as per Factory Engineering. Frame TIG welded using 5556 rod as filler. All work done IAW AC43.13-1B Chg 1 4-74 a. d. e. f. (3) 4-75 (a) 4-76 4-77 a. b. 4-78 (a) (b) (c) (d) (e) (f) (g) Table 4-12 PAR 4-79 4-81 4-83 4-86d. (1) (2) (3) Fig 4-30 Table 4-15. No heat treatment required. Repair meets requirement of FAR 43.13 (b).

----- END -----

<p>8. Description of Work Accomplished</p>		<p>Nationality and Registration Mark</p>		<p>Date</p>													
<p>Repair Co pilot seat Back R/H Head Rest. Frame is made of 5052-0 aluminum as per Factory Engineering. Frame TIG welded using 5556 rod as filler. All work done IAW AC43.13-1B Chg 1 4-74 a. d. e. f. (3) 4-75 (a) 4-76 4-77 a. b. 4-78 (a) (b) (c) (d) (e) (f) (g) Table 4-12 PAR 4-79 4-81 4-83 4-86d. (1) (2) (3) Fig 4-30 Table 4-15. No heat treatment required. Repair meets requirement of FAR 43.13 (b).</p>		<p>N4118A</p>		<p>10-5-2010</p>													
<p align="center">----- END -----</p>																	
<p>9. Type of Alteration</p>																	
<table border="1"> <tr> <td>APPROVAL</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>POWER PLANT</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>PROPELLER</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>APPLIANCE</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>						APPROVAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	POWER PLANT	<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	<input type="checkbox"/>	<input type="checkbox"/>
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<p>10. Signature of Repairman</p>																	
<p>Signature: _____ Date: 10-5-2010</p>																	
<p>11. Signature of Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>12. Signature of Approver</p>																	
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<p>78. Signature of FAA Part 49 Inspector</p>																	
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<p>79. Signature of FAA Part 48 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>80. Signature of FAA Part 47 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>81. Signature of FAA Part 46 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>82. Signature of FAA Part 45 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>83. Signature of FAA Part 44 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>84. Signature of FAA Part 43 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>85. Signature of FAA Part 42 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>86. Signature of FAA Part 41 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>87. Signature of FAA Part 40 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>88. Signature of FAA Part 39 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>89. Signature of FAA Part 38 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>90. Signature of FAA Part 37 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
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<p>Signature: _____ Date: _____</p>																	
<p>92. Signature of FAA Part 35 Inspector</p>																	
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<p>93. Signature of FAA Part 34 Inspector</p>																	
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<p>94. Signature of FAA Part 33 Inspector</p>																	
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<p>95. Signature of FAA Part 32 Inspector</p>																	
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<p>96. Signature of FAA Part 31 Inspector</p>																	
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<p>97. Signature of FAA Part 30 Inspector</p>																	
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<p>99. Signature of FAA Part 28 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>100. Signature of FAA Part 27 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>101. Signature of FAA Part 26 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>102. Signature of FAA Part 25 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>103. Signature of FAA Part 24 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>104. Signature of FAA Part 23 Inspector</p>																	
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<p>118. Signature of FAA Part 9 Inspector</p>																	
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<p>119. Signature of FAA Part 8 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>120. Signature of FAA Part 7 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>121. Signature of FAA Part 6 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>122. Signature of FAA Part 5 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>123. Signature of FAA Part 4 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>124. Signature of FAA Part 3 Inspector</p>																	
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<p>125. Signature of FAA Part 2 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	
<p>126. Signature of FAA Part 1 Inspector</p>																	
<p>Signature: _____ Date: _____</p>																	

[] Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark USA N4118A	Serial No. 17280629	
	Make Cessna	Model 172	Series R

2. Owner	Name (As shown on registration certificate) Spartan Education LLC	Address (As shown on registration certificate) Address 8820 E. Pine ST.	
		City Tulsa	State OK
		Zip 74115-5802	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	Cessna	(As described in Item 1 above)	17280629
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Aaron Thiele	Address 10115 E. 24th Pl. City Tulsa State OK Zip 74129 Country USA	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	AP3456475
		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 10/31/2016
------------------------------------------------------------------------	-------------------------------------------------------

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. AP/IA 3374825	Signature/Date of Authorized Individual 10/31/2016
-------------------------------------------------	-------------------------------------------------------

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.)

USA N4118A

10/31/2016

Nationality and Registration Mark

Date

Removed Pointer ELT PN: 3000-1, SN: 326894. Installed new Artex ME406 ELT PN: 453-6603, SN: 242-02902, with included tray. Installed buzzer PN: 452-6505 on avionics rack inboard of ELT mounting area. Removed remote switch PN: 2109-10 . Modified switch mounting hole in right instrument panel and installed new remote switch PN:345-6196-04. Installed 22AWG wire between positive side of battery contactor and remote switch with a 0.250Ma in-line, slow blow fuse for circuit protection located behind right instrument panel. Installed fabricated wiring harness with 4 runs of 22AWG wire in accordance with installation option "B" as found in Artex Manual 570-1600, Rev. V1 dated Dec 08/2015. Fabricated antenna mounting plate from 2024T3 sheet stock consisting of one 3 1/8" circle of 0.20", one 2" circle of 0.50" and one 2" circle of 0.40" assembled with 6 AN470AD4-5 rivets. Removed Pointer ELT antenna and installed new Artex whip antenna PN: 110-773 with mounting plate in existing antenna hole. Installed new antenna coaxial cable PN: 611-6013-04 as supplied with kit. Wiring and all installation was performed in accordance with Artex Maintenance and Installation Manual 570-1600, Rev. V1 dated Dec 08/2015 and AC 43.13-2B chapters 2, 3, and 11. Weight and balance changes were updated and recorded in aircraft records.

-----END-----

Additional Sheets Are Attached



U.S. Department
of Transportation
**Federal Aviation
Administration**

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation (49 U.S.C. §46301(a)).

1. Aircraft	Nationality and Registration Mark N4118A	Serial No. 17280629	
	Make Cessna	Model 172R	Series
2. Owner	Name (As shown on registration certificate) Spartan Aviation Industries Inc.	Address (As shown on registration certificate) Address 8820 E Pine St.	
		City <u>Tulsa</u> State <u>OK</u>	Zip <u>74115</u> Country <u>USA</u>

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type _____		
			Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>Alex D McGuffin</u>	<input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization	Manufacturer	
Address <u>4007 Eastshore St</u>		C. Certificate No.	
City <u>Missouri City</u> State <u>TX</u>		3531793	
Zip <u>77459</u> Country <u>USA</u>			

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Alex D McGuffin</i>	Alex D McGuffin 6 July 2011
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. 20144851A		Signature/Date of Authorized Individual <i>Dennis Henson</i> Dennis Henson 6 July 2011		

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.)

N4118A

6 July 2011

Nationality and Registration Mark

Date

Removed cracked RH rib P/N 0532001-99 from center of horizontal stabilizer. Installed new RH rib P/N 0532001-99. All work done in accordance with Cessna 172 Structural Repair Manual and AC 43.13 Chapter 4 Section 4.

Additional Sheets Are Attached



U.S. Department of
Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

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 1958)

1. Aircraft	Nationality and Registration Mark USA N4118A	Serial No. 17280629	
	Make Cessna	Model 172R	Series
2. Owner	Name (As shown on registration certificate) Spartan Education LLC	Address (As shown on registration certificate) 8820 E. Pine St.	
		City Tulsa State Oklahoma Zip 74115 Country UNITED STATES	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address Name Keith Issac Thomas Address 8888 Jack Bates Ave. City Tulsa State OK Zip 74132 Country UNITED STATES	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization <input type="checkbox"/> Manufacturer C. Certificate No. 3370165
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 10/26/2018 Keith Thomas
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 33701651A	Signature/Date of Authorized Individual 10/26/2018 Keith Thomas
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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.)

USA N4118A

10/26/2018

Nationality and Registration Mark

Date

Removed KT76C transponder.

Installed Stratus ESG transponder P/N 153010-000007 in accordance with STC# SA04112CH and installation instructions Document # 600840-000032.

Installation for the Stratus ESG transponder was performed I/A/W STC# SA04112CH. This installation is a follow on to STC# SA04112CH. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR part 91.227.

The transponder was installed using new mounting tray and new connector and wiring.

Power to the Stratus ESG was supplied through a 5 amp breaker on the aircraft main buss and the aircraft structure was used for ground.

All equipment affected during the install was checked and found to be operating properly.

All work was performed using manufacturer's maintenance manual and the above listed STC SA04112CH.

The weight and balance was negligible.

END

Additional Sheets Are Attached



US Department of Transportation
Federal Aviation Administration

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

OMB No. 2120-0020
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark USA N4118A	Serial No. 17280629
	Make Cessna	Model 172
2. Owner	Name (As shown on registration certificate) Spartan Education LLC	
	Address (As shown on registration certificate) Address 8820 E PINE ST	
	City Tulsa	State Ok
	Zip 74115-5802	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	Cessna	(As described in Item 1 above)	17280629
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. AP3855594
Name Austin Wilkinson	Address 201 N. 111th E. Avenue, APT336 City Tulsa State OK Zip 74116 Country USA	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer	
		<input type="checkbox"/> Foreign Certificated Mechanic		
		<input type="checkbox"/> Certificated Repair Station		
		<input type="checkbox"/> Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Austin Wilkinson</i> AP 07-12-2019
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport Other (Specify)
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	

Certificate or Designation No. A&P IA 3746538	Signature/Date of Authorized Individual <i>William O Flynn</i> AP3746538
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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.)

USA N4118A

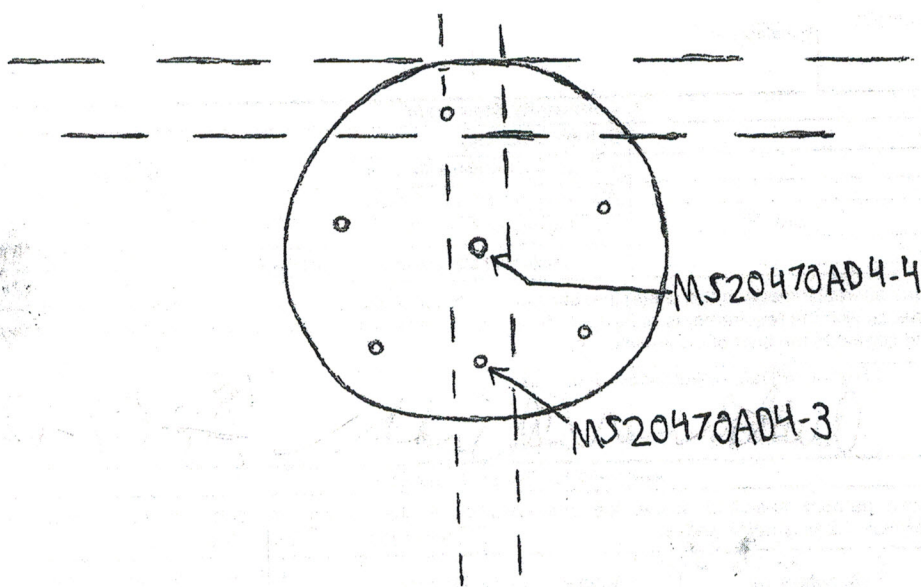
07-12-2019

Nationality and Registration Mark

Date

- Tach Time: 2,446.1. Airframe Total Time: 12,971.9
- Crack found on right wing upper skin at STA 118.00 at rivet located just forward of first stringer
- Removed damage by cutting a 5/8" hole in upper wing skin centered on the rivet the crack was located at
- Cut five inch access panel into right wing lower skin outboard of rib at STA 118.00
- Fabricated access panel cover using 0.025" 2024T3 Alclad
- Fabricated patch and filler using 0.025" 2024T3 Alclad
- Installed patch and filler
- Installed access panel doubler P/N S1443-1
- No change in weight and balance
- All work performed IAW Cessna 172 Structural Repair Manual and AC43.13-1B

All rivets MS20470AD3-3 unless otherwise noted
2024T3 0.025"



Nothing Follows

Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N4118A	Serial No.	17280629
	Make Cessna	Model 172	Series R
2. Owner	Name (As shown on registration certificate) Spartan Education LLC		Address (As shown on registration certificate)
			Address 8820 E Pine ST
			City Tulsa State OK
			Zip 74115-5802 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	Cessna	(As described in Item 1 above)	17280629
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Name	Mark F. Campbell	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic	<input type="checkbox"/>	Manufacturer
Address	12302 S. Yukon Ave Apt 528	<input type="checkbox"/>	Foreign Certificated Mechanic	<input type="checkbox"/>	3983583
City	Glenpool State OK	<input type="checkbox"/>	Certificated Repair Station		
Zip	74033 Country USA	<input type="checkbox"/>	Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Mark F. Campbell</i> 8/27/2019
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. A&P IA 3746538		Signature/Date of Authorized Individual <i>William P. Flynn</i> 08-27-2019		

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.)

N4118A

8/27/2019

Nationality and Registration Mark

Date

Airframe time: 13063.2

Tach time: 2537.4

Removed landing light P/N: 4596 and installed a Whelen LED landing light (P/N: 01-0771833-20; S/N: 09297) in accordance with STC number of SA00344BO. Performed operational check, operational checks good. Weight and balance change is negligible. All work performed in accordance with the STC number SA00344BO and Cessna 172 Maintenance manual.

-----END-----

Additional Sheets Are Attached



US Department of Transportation
Federal Aviation Administration

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

OMB No. 2120-0020
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N4118A	Serial No. 17280629	
	Make Cessna	Model 172	Series R
2. Owner	Name (As shown on registration certificate) Spartan Education LLC		
	Address (As shown on registration certificate) Address 8820 E. Pine St		
	City Tulsa	State OK	
	Zip 74115-5802	Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	<u>Cessna</u>	(As described in Item 1 above)	<u>17280629</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		
Name Mark F. Campbell		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer	
Address 12302 S. Yukon Ave Apt 528		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No. 3983583	
City Glenpool State OK		<input type="checkbox"/> Certificated Repair Station		
Zip 74033 Country USA		<input type="checkbox"/> Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Mark F. Campbell</i> 9/15/2020
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 3746538 A&P IA	Signature/Date of Authorized Individual <i>William E. Flynn</i> 2020-09-15
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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.)

N4118A

09/15/2020

Nationality and Registration Mark

Date

- Removed inboard cowl mount brackets located in zone 124 at the 3 and 9 O'clock position (as the pilot sits).
- Stop drilled 7/8" crack at the 9 O'clock position and stop drilled 1" crack at the 3 O'clock position.
- Fabricated a 1.25" by 2.5" patch at the 9 o'clock position a 1.5" by 2 9/32" patch at the 3 o'clock position out of .018" stainless steel. Both are placed vertically and bent around firewall step and installed with MS20615-4 monel rivets.
- referenced Cessna 172 SRM, chapter 53-40-00 for work performed.
- weight and balance change is negligible.

*****END*****

Additional Sheets Are Attached