

1. Approving National Aviation  
Authority/Country:

FAA/UNITED STATES

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

54540

4. Organization Name and Address:

AERO ACCESSORIES, 16152 VALERIO ST, VAN NUYS CA. 91406  
REPAIR STATION: XB2R286L

5. Work Order/Contract/Invoice  
Number:  
54540

6. Item:

7. Description:

8. Part Number:

9. Quantity:

10. Serial/Batch Number:

11. Status/Work:

1 MAGNETO

4370

1

04050899

REPAIRED

12. Remarks:

REPAIRED, INSPECTED & TESTED IN ACCORDANCE WITH SLICK SERVICE MANUAL (L-1363J) AS PER 500HR. INSP  
THIS MAGNETO COMPLIES WITH SLICK S.B. 2-08, 3-08, 1-12 & 1-15A

N81916

13a. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and mechanical condition for safe operation

☐ Non-approved design data specified in Block 12

14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signature:

14c. Approval/Certificate No.:  
XB2R286L

14d. Name (Typed or Printed):  
ROBERT M. RUMM

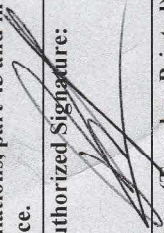
14e. Date (dd/mm/yyyy):  
05/APR/2022

## User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



<b>1. Approving National Aviation Authority/Country:</b> FAA/UNITED STATES				<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				<b>3. Form Tracking Number:</b> 52410	
<b>4. Organization Name and Address:</b> AERO ACCESSORIES, 16152 VALERIO ST, VAN NUYS CA. 91406 REPAIR STATION: XB2R286L								<b>5. Work Order/Contract/Invoice Number:</b> 52410	
<b>6. Item:</b> 1		<b>7. Description:</b> MAGNETO		<b>8. Part Number:</b> 4370		<b>9. Quantity:</b> 1		<b>10. Serial/Batch Number:</b> 01071315	
<b>11. Status/Work:</b> REPAIRED									
<b>12. Remarks:</b>  REPAIRED, INSPECTED & TESTED IN ACCORDANCE WITH SLICK SERVICE MANUAL (L-1363J) AS PER 500HR. INSP NOTE: THIS MAGNETO COMPLIES WITH SLICK S.B. 2-08, 3-08, 1-12 & 1-15A  <div style="text-align: right; font-size: 2em;">N 81916 RH</div>									
<b>13a. Certifies the items identified above were manufactured in conformity to:</b> <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				<b>14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12</b> Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
<b>13b. Authorized Signature:</b>				<b>13c. Approval/Authorization No.:</b>				<b>14b. Authorized Signature:</b> 	
<b>13d. Name (Typed or Printed):</b>				<b>13e. Date:</b>				<b>14c. Approval/Certificate No.:</b> XB2R286L	
<b>13f. Name (Typed or Printed):</b> ROBERT M. RUMIM				<b>14d. Name (Typed or Printed):</b> ROBERT M. RUMIM				<b>14e. Date (dd/mm/yyyy):</b> 07/JUN/2021	
<b>User/Installer Responsibilities</b>									
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.									
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.									
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1. Approving National Aviation Authority/Country:

FAA/UNITED STATES

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

54018

4. Organization Name and Address:

AERO ACCESSORIES, 16152 VALERIO ST, VAN NUYS CA. 91406  
REPAIR STATION: XB2R286L

5. Work Order/Contract/Invoice Number:

54018

6. Item:

8. Part Number:

9. Quantity:

10. Serial/Batch Number:

11. Status/Work:

1

4370

1

04050899

REPAIRED

12. Remarks:

REPAIRED, INSPECTED & TESTED IN ACCORDANCE WITH SLICK SERVICE MANUAL (L-1363J) AS PER 500HR. INSP  
THIS MAGNETO COMPLIES WITH SLICK S.B. 2-08, 3-08, 1-12 & 1-15A

13a. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature:

14c. Approval/Certificate No.:  
XB2R286L

13d. Name (Typed or Printed):

14d. Name (Typed or Printed):  
ROBERT M. RUMM

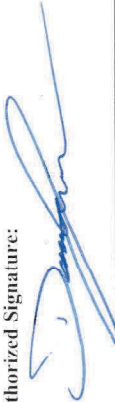
14e. Date (dd/mm/yyyy):  
01/FEB/2022

## User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. 05217 Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: <b>81552</b>	
4. Organization Name and Address: <b>Avstar Fuel Systems, Inc.</b> 1365 Park Lane South Jupiter Florida 33458 Repair Station No. V1RR580Y				5. Work Order/Contract/Invoice Number: <b>81552</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MA-4SPA Carburetor	10-5217	1ea	MSC38213	OVERHAULED
12. Remarks:  Overhauled in accordance with FAA approved data from AVStar Overhaul Specification, Document No: OS 34, Rev: 0, Date: 04/Feb/2013. Pertinent details of the overhaul are on file at this repair station under the work order referenced in block 5.  SEE ATTACHED FORM No.: AFS900-F1  <i>N 8/19/16 inst 7/21</i>					
13a. Certifies the item identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12  Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:	13c. Approval Authorization No:	14b. Authorized Signature: 		14c. Approval/Certificate No: <b>V1RR580Y</b>	
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): <b>DANIEL ROGERS</b>		14e. Date (dd/mm/yyyy): <b>13/May/2021</b>	
<b>User/Installer Responsibilities</b>					
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>					





MA-4SPA AD, SB & RS  
COMPLIANCE REPORT

DOC: AFS900-F1

REV: 5

February 18, 2014

AVStar Fuel Systems, Inc.  
FAA Repair Station V1RR580Y


AD or SB Number	Complied	Method of Compliance	Recurring
Avco SB 366B	5/13/21	Re torque bowl screws at 100 hr. intervals	Yes
Avco SB 330B	"	New style arm and shaft installed	No
MS SB A1-76	"	Carburetor cleaning	No
MS SB A2-67	"	Inspected clearance at float installation	No
MS SB A1-69	"	Required inspection of drain plug	No
MSA-2	"	One piece venturi installed	No
AD69-24-3	"	Required inspection of drain plug	No
AD72-6-5 REV.2	"	New style arm and shaft installed	No
AD93-19-04	"	Inspection or replacement	No
AD98-1-06	"	One piece venturi installed	No
Lycoming SB 582A or Volare SB-2	"	Compliance with AFS731-WI-5 Brass Float (MF) or Blue Epoxy Float installed	No

FAA Approved Repair Procedures/Specifications	Description	Circle Applicable
AV-001 (Sep 13, 2002)	Repair of float and lever assemblies 30-764, 30-766 & 30-768.	Yes / <input checked="" type="radio"/> No
AV-002 (Oct 10, 2003)	Repairs to improve the fit between the shaft of a metering valve assembly, and the shaft of a pump plunger assembly and their respective throttle body casting.	Yes / <input checked="" type="radio"/> No
AV-003 (Oct 10, 2003)	The helicoil repair of tapped holes in Marvel Schebler type carburetors and Bendix type fuel servo castings	Yes / <input checked="" type="radio"/> No
AV-008 (Nov 9, 2007)	The repair of model MA-3A, MA-3PA, MA3SPA, MA-4SPA and MA-4-5 bowl casting assemblies manufactured by Marvel Schebler, Facet Aerospace and Precision Airmotive Corporation.	Yes / <input checked="" type="radio"/> No
AV-018 (Rev 0)	Carburetor Throttle Shaft Repair.	Yes / <input checked="" type="radio"/> No

Work Order No. 81552

Technician's Signature:



1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2.		3. Form Tracking Number: H-V041593	
<h2 style="text-align: center;">AUTHORIZED RELEASE CERTIFICATE</h2> <p style="text-align: center;">FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</p>					
4. Organization Name and Address: HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY., MONTGOMERY, AL 36108 PQ1383CE-D					
6. Item:	7. Description:	8. Part Number:	9.	10. Quantity:	11. Status/Work:
1	ALTERNATOR **** END ****	10-1051	1	H-V041593	NEW
i2. Remarks: AIRWORTHINESS APPROVAL- PARTS FOR PMA ELIGIBILITY SEE WWW.HARTZELL.AERO/PMA/					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.					
13b. Authorized Signature: 		13c. Approval/Authorization No.: ODA-100082-CE			
13d. Name (Typed or Printed): Gary Hancock		13e. Date (dd/mm/yyyy): 03/MAY/2021			
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.					
Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					
14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
14b. Authorized Signature:		14c. Approval/Certificate No:			
14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):			





P/N:  
S/N:  
W/O:

10-1051
H-V041593
M156270
ALT, 70A, 12V

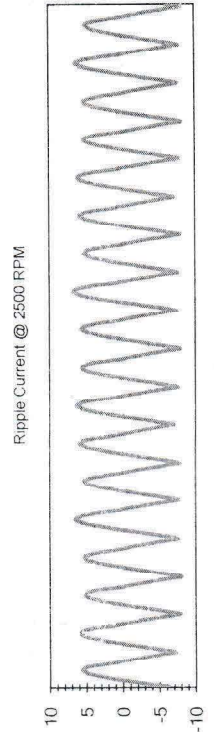
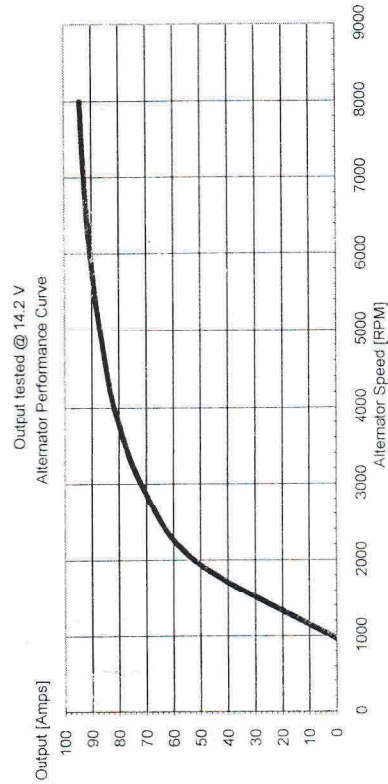
Pass  
05/03/2021

Description:

This alternator has an external voltage regulator. Some parameters do not apply to some units and for informational purposes only.

#### Test Results Table:

Maximum Alternator Output:	Amps	94.23
Maximum Output Power:	Watts	1340
Leakage Current	mAmps	0.2
Ripple Current	Amps	15.42
Alternator Turn On Speed	RPM	967
Field Current	Amps	3.780
Output Current at 2000 RPM	Amps	52.36
Output Current at 3000 RPM	Amps	71.91
Output Current at 4000 RPM	Amps	81.79
Output Current at 5000 RPM	Amps	87.03
Output Current at 6000 RPM	Amps	90.56
Output Current at 7000 RPM	Amps	92.81
Output Current at 8000 RPM	Amps	94.23
Output Current at 0 RPM	Amps	0
Output Current at 0 RPM	Amps	0
Output Current at 0 RPM	Amps	0
Output Current at 0 RPM	Amps	0





United States of America  
Department of Transportation - Federal Aviation Administration  
Supplemental Type Certificate

Number SA02410AT

PMA Products, Inc.  
6120 Smithwood Rd.  
Liberty, NC 27298

Whereas the change in the type design for the following product with the limitations and conditions described as reflected herein meet the administrative requirements of Part 3 of the Civil Air Regulations:

Original Product - Type Certificate Number:

See continuation sheet 2 of 2

Model:

The New Type Aircraft, Inc

Model:

See continuation sheet 2 of 2

Description of Type Design Change: Replace existing Auxiliary Electric Standby Fuel Pump with PMA Products, Inc. P/N A33328-8000 Fuel Pump per PMA Products, Inc. Drawing CA33328-8000, Rev. Orig., dated 8-8-01, or later FAA approved revision. Installation instructions and instructions for Continued Airworthiness are provided by PMA Products, Inc. Document A33328-8000-MAIN1, Rev. II, dated 9-29-01 or later FAA approved revision. See Sheet 2 for specific installation eligibility.

Limitations and Conditions: This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until superseded, withdrawn, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 07, 2001

Date received:

Date of issuance: October 10, 2001

Date accepted:

By direction of the Administrator



For: Melvin D. Taylor  
Manager  
Atlanta Aircraft Certification Office

(Title)

United States of America  
Department of Transportation - Federal Aviation Administration  
Supplemental Type Certificate  
(Continuation Sheet)

Number SA02410AT

Date of issuance: October 10, 2001

Original Product:

Type Certificate: 1A10

Model: PA23, PA23-160

PA23-235, PA23-250, PA23-250(G place); s/n 27-1 through 27-2504 (14v)

Type Certificate: 1A15

Model: PA24, PA24-250

PA24-260; s/n 24-3042, 24-4000 through 24-4782, 24-4784 through 24-4803

Type Certificate: 2A13

Model: PA28-140, PA28-150, PA28-160, PA28-180

PA28-151, PA28-161 (14v)

PA28-181; s/n 28-7690001 through 28-7990626, 28-8090001 and up (14v)

Type Certificate: A18SO

Model: PA-38-112

END



PARTS MANUFACTURER APPROVAL NO. PQ1146CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 72

DATED December 26, 2001


FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

PMA Products, Inc.  
6120 Smithwood Road  
Liberty, NC 27298

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for Modification Part</u>	<u>FAA Approval Basis &amp; Approved Design Data</u>	<u>Installation Eligibility</u>	<u>Model</u>
Fuel Pump	CA35328-800E		14 CFR FAR Part 21.303(c)4, STC SA02410A dated 10-10-01T, Drawing CA35328-800E rev. 1, dated 11-19-01-01 or later FAA approval.	The New Piper Aircraft, Inc.	PA23, PA23-160, PA-235, PA23-250, PA23-250 (6place): s/n 27-1 through 27-2504 (14v) and PA24, PA24-250, PA24-260: s/n 24-3642, 24-4000 through 24-4782, 24-4784 through 24-4803 and PA28-140, PA28-150, PA28-160, PA28-180, PA28-151, PA28-161 (14v), PA-181: s/n 28-7690001 through 28-7990626, 28-8090001 and up (14v) and PA-38-112.

-END OF LISTING-

NOTE: Minor design changes (reference 14 CFR 21 ss 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

  
FOR Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office



1. Approving Civil Aviation  
Authority/Country:  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
168754188-4

4. Organization Name and Address:

GARMIN International 1200 E. 151st St. Olathe, KS 66062

Certificate Number PQ3742CE

5. Work Order/Contract/Invoice  
Number: 168754188

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Sub-Assy, GMU 11, Installation Kit	011-04349-90	1	N/A	New

12. Remarks:

Airworthiness Approval

This PMA part is not a critical component

HA 11 19  
221582

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

*Alice F. Inch*

13c. Approval/Authorization No.:

ODA-240087-CE

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

Alice F. Inch

13e. Date (dd/mm/yy):

06/Nov/2019

14d. Name (Typed or Printed):

14e. Date (dd/mm/yy):

## User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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1. Approving Civil Aviation  
Authority/Country:  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
168754188-5

4. Organization Name and Address:

GARMIN International 1200 E. 151st St. Olathe, KS 66062

Certificate Number PQ3742CE

5. Work Order/Contract/Invoice  
Number: 168754188

6. Item:

7. Description:

8. Part Number:

9. Quantity:

10. Serial Number:

11. Status/Work:

1

GAD 29B, PMA

011-03236-11

1

5DL008763

New

12. Remarks:

Airworthiness Approval

This PMA part is not a critical component.

Included in part number 010-01172-11

HA 11 19  
221582

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

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13b. Authorized Signature:

Alice F. Inch

13c. Approval/Authorization No.:

ODA-240087-CE

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

Alice F. Inch

13e. Date (dd/mm/yyyy):

06/Nov/2019

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

## User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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1. Approving Civil Aviation  
Authority/Country:  
**FAA/UNITED STATES**

**2 AUTHORIZED RELEASE CERTIFICATE**  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

9261041811

4. Organization: GARMIN International 1200 E 151st Street Olathe, KS 66062 PMA production approval number PQ3742CE

5. Work Order/Contract/Invoice Number:

92610418

6. Item:

7. Description:

8. Part Number:

9. Quantity:

10. Serial Number:

11. Status/Work:

1. W/AAS Antenna, GA35, White

013-00235-00

25

112996, 112997, 112998, 112999, 113000, 113001,  
113002, 113005, 113008, 113009, 113010, 113011, 113012,  
113013, 113014, 113015, 113016, 113017, 113018, 113019,  
113020, 113023, 113024, 113031

NEW

12. Remarks

Export airworthiness approval - this article meets the special requirements of AUSTRALIA. This part is a subcomponent of a PMA Article

13a. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 13.

13b. Authorized Signature

*Steven Cummins*

13c. Approval/Authorization No.

ODA-240087-CE

13d. Name (Typed or Printed):

Steven Cummins

13e. Date (dd/mm/yyyy):

04/Feb/2015

14a. ☐ 14 CFR 43.9 Return to Service

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signature:

N/A

14c. Approval/Certificate No.

N/A

14d. Name (Typed or Printed):

N/A

14e. Date (dd/mm/yyyy):

N/A

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1

Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certificate issued in accordance with the national regulations by the user/installer before the aircraft may be flown

**Garrlin Australasia**  
**This is to verify that this is a True Certified Copy**  
**Signed.....**  
**Originals are held at Garrlin Australasia**



1. Approving Civil Aviation  
Authority/Country:  
FAA/United States

2. AUTHORIZED RELEASE CERTIFICATE  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG  
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062  
Certificate Number PQ3742CE

3. Form Tracking Number:  
168754188-2  
5. Work Order/Contract/Invoice  
Number: 168754188

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	GMU 11, PMA	011-04349-01	1	56J016261	New

12. Remarks:  
Airworthiness Approval  
This PMA part is not a critical component  
Included in 010-01788-01

11 11 19  
221582

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: <i>Bradley J. Miller</i>	13c. Approval/Authorization No.: ODA-240087-CE	14b. Authorized Signature:	14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Bradley J. Miller	13e. Date (dd/mm/yy): 06/Nov/2019	14d. Name (Typed or Printed):	14e. Date (dd/mm/yy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.  
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. Approving Civil Aviation  
Authority/Country:  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
168754188-1

4. Organization Name and Address:

GARMIN International 1200 E. 151st St. Olathe, KS 66062  
Certificate Number PQ3742CE

5. Work Order/Contract/Invoice  
Number: 168754188

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Sub-Assy, Conn Kit, GAD 29	011-03271-00	1	N/A	New

12. Remarks:  
Airworthiness Approval  
This PMA part is not a critical component

11 11 19  
221582

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
<i>Eric G. Austria</i>	ODA-240087-CE		
13d. Name (Typed or Printed):	13e. Date (dd/mm/yy):	14d. Name (Typed or Printed):	14e. Date (dd/mm/yy):
Eric G. Austria	06/Nov/2019		

## User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. Approving Civil Aviation  
Authority/Country:  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
168754188-7

4. Organization Name and Address:

GARMIN International 1200 E. 151st St. Olathe, KS 66062  
Certificate Number PQ3742CE

5. Work Order/Contract/Invoice  
Number: 168754188

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Standard, G5 for Certificated Aircraft	011-03809-00	1	4UQ026900	New

12. Remarks:

Airworthiness Approval  
This PMA part is not a critical component.  
Included in part number K10-00280-00

11 11 19  
221582

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: <i>Alice F. Inch</i>	13c. Approval/Authorization No.: ODA-240087-CE	14b. Authorized Signature:	14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Alice F. Inch	13e. Date (dd/mm/yyyy): 07/Nov/2019	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):

## User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. Approving Civil Aviation Authority/Country: FAA/United States		2.		3. Form Tracking Number: 168754188-6	
<p align="center"><b>AUTHORIZED RELEASE CERTIFICATE</b></p> <p align="center">FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</p>					
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 168754188	
6. Item: 1	7. Description: Kit, Standard, G5 for Certificated Aircraft	8. Part Number: 011-03809-00	9. Quantity: 1	10. Serial Number: 4JQ034306	11. Status/Work: New
12. Remarks: Airworthiness Approval This PMA part is not a critical component Included in GPN K10-00280-00					
13a. Certifies the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: <i>Eric G. Austria</i>		13c. Approval/Authorization No.: ODA-240087-CE		14b. Authorized Signature:	
13d. Name (Typed or Printed): Eric G. Austria		13e. Date (dd/mm/yyyy): 06/Nov/2019		14c. Approval/Certificate No.:	
				14d. Name (Typed or Printed):	
				14e. Date (dd/mm/yyyy):	

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. Approving Civil Aviation  
Authority/Country:  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

3116

4. Organization Name and Address:  
Falcon Aero 333 N 88 St Mesa, AZ 85207

5. Work Order/Contract/Invoice  
Number: 3522

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	CHRYSLER ALTERNATOR	4111810	1	J060859	OVERHAULED

12. Remarks:

OVERHAULED IN ACCORDANCE WITH FAA APPROVED PROCESS SPEC TW5000 REV3 1/19/10

13a. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

13a. ☒ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	13f. Authorized Signature:	13g. Approval/Certificate No.:
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	<i>William Day</i>	6AZR629B
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	WILLIAM DAY	07/JUN/2019		

## User/Installer Responsibilities


It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/airframe.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/airframe(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



81616

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: H-S123192	
4. Organization Name and Address: HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY. MONTGOMERY, AL. 36108 PQ1383CE-D					5. Work Order/Contract/Invoice Number: M503830	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	REGULATOR **** END ****	R1224	1	H-S123192	NEW	
12. Remarks:  AIRWORTHINESS APPROVAL- PARTS FOR PMA ELIGIBILITY SEE WWW.HARTZELL.AERO/7MA/						
13a. Certifies the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.						
13b. Authorized Signature: 		13c. Approval/Authorization No.: PQ1383CE-D		14a. Authorized Signature:  14c. Approval Certificate No.:		
13d. Name (Typed or Printed): Gary Hancock		13e. Date (dd/mm/yy): 26/FEB/2019		14d. Name (Typed or Printed):  14e. Date (dd/mm/yy):		

#### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.





Effective: October 31, 2018

Subject: SureFly Electronic Ignition STC Permission

To Whom it May Concern:

The qualified aviation installer holder of this letter is hereby authorized to use the following STC:

STC Number SE04349CH — to modify eligible engines per the STC installation instructions

The following person is hereby permitted to use this STC:

RRG Software LLC

Enter name of STC user here

Sincerely,

Jason Hutchison  
General Manager

sales@surefly.aero

www.surefly.aero

(817) 373-5161

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

This certificate issued to: **Surefly Partners, Ltd.**  
2901 East Ohio Boulevard, Ste. 137  
Terre Haute, IN 47803

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 21 of the Federal Aviation Regulations

Original Product: Type Certificate Number: \*  
Model: \*  
Model: \*  
See attached FAA Approved Model List (AML) No. SE04349CH for list of approved engine Models and applicable airworthiness regulations.

**Description of Type Design Change:**

Installation of Surefly electronic ignition on an engine listed on FAA Approved Model List (AML) No. SE04349CH dated 10-31-2018, or later FAA approved revision, in accordance with Surefly installation instructions listed on the AML.

**Limitations and Conditions:**

1. To operate Surefly electronic ignition in advance timing mode, the engine must comply with the following:

- Be normally aspirated.
- Have cylinder head temperature monitoring capability, and
- Use minimum of 100-octane low lead aviation fuel.

2. The Surefly Electronic Ignition system can only replace one magneto.

3. Compatibility of this design change with previously approved modifications must be determined by the installer.

4. A copy of this Certificate and FAA Approved Model List (AML) No. SE04349CH dated 10-31-2018, or later FAA approved revision, must be maintained as part of the permanent records for the modified engine.

5. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until suspended, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: November 15, 2016

Date of issuance: October 31, 2018



Date received:

Date issued:

By direction of the Administrator

Roy E. Boffo, III  
(Signature)

Manager, Propulsion and Program Management Section  
Chicago ACO Branch,  
Compliance & Airworthiness Division

(Title)

By direction of the Administrator: Roy E. Boffo, III, Manager, Propulsion and Program Management Section, Chicago ACO Branch, Compliance & Airworthiness Division, dated 10/31/2018.



United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SE04349CH

*This certificate issued to* SureFly Partners, Ltd.  
2901 East Ohio Boulevard, Ste. 137  
Terre Haute, IN 47803

*certifies that the change in the type design for the following product with the limitations and conditions  
thereof as specified herein meets the airworthiness requirements of Part \* of the \* Regulations.*

*Original Product Type Certificate Number \** See attached FAA Approved Model List  
*Make \** (AML) No. SE04349CH for list of approved engine  
*Model \** Models and applicable airworthiness regulations.

*Description of Type Design Change:*

Installation of SureFly electronic ignition on an engine listed on FAA Approved Model List (AML) No. SE04349CH dated 10-31-2018, or later FAA approved revision, in accordance with SureFly installation instructions listed on the AML.

*Limitations and Conditions:*

1. To operate SureFly electronic ignition in advance timing mode, the engine must comply with the following:
  - a. Be normally aspirated,
  - b. Have cylinder head temperature monitoring capability, and
  - c. Use minimum of 100-octane low lead aviation fuel.
2. The SureFly Electronic Ignition system can only replace one magneto.
3. Compatibility of this design change with previously approved modifications must be determined by the installer.
4. A copy of this Certificate and FAA Approved Model List (AML) No. SE04349CH dated 10-31-2018, or later FAA approved revision, must be maintained as part of the permanent records for the modified engine.
5. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until  
surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the  
Federal Aviation Administration.*

*Date of application :* November 15, 2016

*Date of issuance :* October 31, 2018



*Date revised :*

*Date amended :*

*By direction of the Administrator*

  
(Signature)

Roy E. Boffo, III  
Manager, Propulsion and Program Management Section  
Chicago ACO Branch  
Compliance & Airworthiness Division

(Title)



**FAA APPROVED MODEL LIST (AML) NO. SE04349CH**  
**SureFly Partners, Ltd.**  
**FOR**  
**INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L**

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
1	LYCOMING ENGINES	O-235-A, -B, -AP, -BP, -C, -C1, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C	E-223	SEE NOTE 1, CAR13 and Amendments listed in TCDS No. E-223	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	October 31, 2018
2	LYCOMING ENGINES	O-290, -A, -AP, -B (O-290-1), -C (O-290-3), -CP, -D (O-290-11), -D2, -D2A, -D2B, -D2C	E-229	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-229	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	October 31, 2018
3	LYCOMING ENGINES	O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -B2D, -B2E, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2I, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H	E-274	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-274	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	October 31, 2018
4	LYCOMING ENGINES	IO-320-A1A-A2A-B1A, -B1B, -B1C, -B1E, -B1D, -B2A, -C1A, -C1B, -D1A, -D1C, -D1B, -E1A, -E1B, -E2A, -E2B, -F1A	1E12	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E12	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	

Page 1 of 14

**FAA APPROVED MODEL LIST (AML) NO. SE04349CH**  
**SureFly Partners, Ltd.**  
**FOR**  
**INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L**

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
5	LYCOMING ENGINES	LIO-320-B1A, -C1A	1E12	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E12	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	
6	LYCOMING ENGINES	AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B	1E12	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E12	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	
7	LYCOMING ENGINES	AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B	1E12	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E12	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	
8	LYCOMING ENGINES	O-340-A1A, -A2A, -B1A	E-277	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-277	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	
9	LYCOMING ENGINES	O-360-A1A, -A1C, -A1D, -A1F, -A1F6, -A1G, -A1G6, -A1H, -A1H6, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3D, -A4A, -A4C, -A4D, -A4G, -A4J, -A4K, -A4M, -A4P, -A4N, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4F, -C4P, -D1A, -D2A, -D2B, -F1A6, -G1A6, -J2A	E-286	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-286	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	

Page 2 of 14



FAA APPROVED MODEL LIST (AML) NO. SE04349CH  
SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
10	LYCOMING ENGINES	LO-360-A1H6	E-286	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-286	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4P Installation Instructions, SF1002	REV B*, 07/26/2018	
11	LYCOMING ENGINES	HO-360-A1A, -B1A, -B1B, -C1A	E-286	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-286	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
12	LYCOMING ENGINES	VO-360-A1A, -A1B, -B1A	1E1	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E1	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	March 10, 2020
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
13	LYCOMING ENGINES	IO-360 -A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A2C, -A3B6, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -C1G6, -D1A, -E1A, -F1A, -K2A, -L2A, -M1A, -M1B, -N1A, -P1A	1E10	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E10	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	March 10, 2020
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
14	LYCOMING ENGINES	LIO-360-B1G6, -C1E6, -M1A	1E10	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E10	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	

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FAA APPROVED MODEL LIST (AML) NO. SE04349CH  
SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
15	LYCOMING ENGINES	AIO-360-A1A, -A1B, -A2A, -A2B, -B1B	1E10	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E10	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
16	LYCOMING ENGINES	AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B	1E10	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E10	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
17	LYCOMING ENGINES	HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -G1A	1E10	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E10	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
18	LYCOMING ENGINES	LHIO-360-C1A, -C1B	1E10	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E10	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
19	LYCOMING ENGINES	TIO-360- A1A, -A1B, -A3B6	E16EA	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E16EA	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
20	LYCOMING ENGINES	IVO-360-A1A	1E1	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E1	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	March 10, 2020
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	

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FAA APPROVED MODEL LIST (AML) NO. SE04349CH  
SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
21	LYCOMING ENGINES	IO-390 -A1A6, -A3A6, -A1B6, -A3B6, -C1A6, -C3A6, -C1B6, -C3B6	E00006NY	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E00006NY	SIM4P Installation Instructions, SF1001 SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018 REV B*, 07/26/2018	October 31, 2018
22	LYCOMING ENGINES	AEIO-390, -A1A6, -A3A6, -A1B6, -A3B6	E00006NY	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E00006NY	SIM4P Installation Instructions, SF1001 SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018 REV B*, 07/26/2018	October 31, 2018
23	LYCOMING ENGINES	HIO-390-A1A	E00006NY	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E00006NY	SIM4P Installation Instructions, SF1001 SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018 REV B*, 07/26/2018	October 31, 2018
24	LYCOMING ENGINES	GO-480, -A1A, -B, -B1A6, -B1B, -B1C, -B1D, -C1B6, -C1D6, -C2C6, -C2D6, -C2E6, -C3A6, -D1A, -E1A6, -F1A6, -F2A6, -F2D6, -F3A6, -F3B6, -F4A6, -F4B6, -F6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6	E-275	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-275	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
25	LYCOMING ENGINES	IGO-480-A1A6, -A1B6	E-275	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-275	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
26	LYCOMING ENGINES	GSO-480-A1A6, -A1C6, -A2A6, -B1A6, -B1B6, -B1C6, -B1E6, -B1F6, -B1G6, -B1J6, -B2C6, -B2D6, -B2G6, -B2H6, -B1B3	E-284	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-284	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018

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FAA APPROVED MODEL LIST (AML) NO. SE04349CH  
SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
27	LYCOMING ENGINES	IGSO-480-A1A6, -A1B6, -A1C6, -A1D6, -A1E6, -A1F3, -A1F6, -A1G6	E-284	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-284	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
28	LYCOMING ENGINES	O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -A4E5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -B4D5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H2A5, -J3A5	E-295	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-295	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
29	LYCOMING ENGINES	IO-540--A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4D5, -C4C5, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5 -J4A5, -K1A5, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1G5, -K1H5, -K1J5, -K1K5, -K2A5, -L1A5, -L1C5, -M1A5, -M1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4B5, -V4A5, -W1A5, -AA1A5, -AA1B5, -AB1A5, -AC1A5, -AE1A5 -AF1A5, -AG1A5	1E4	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E4	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	March 10, 2020

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SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
30	LYCOMING ENGINES	AEIO-540-D4A5, -D4B5, -D4C5, -D4D5, -L1B5, -L1D5	1E4	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E4	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
31	LYCOMING ENGINES	HIO-540-A1A	1E4	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E4	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
32	LYCOMING ENGINES	IGSO-540-A1A, -A1C, -A1D, -A1E, -A1F, -A1H, -B1A, -B1C	1E7	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E7	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
33	LYCOMING ENGINES	IGO-540-A1A, -A1B, -A1C, -B1A, -B1B, -B1C	1E11	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E11	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
34	LYCOMING ENGINES	VO-540-A1A, -A2A, -B1A, -B1B, -B1B3, -B1C, -B1D, -B1E, -B1F, -B1H3, -B2A, -B2C, -B2D, -B2E, -B2G, -C1A, -C1B, -C2A, -C2B, -C2C, -C1C3	E-304	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-304	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
35	LYCOMING ENGINES	IVO-540-A1A	E11EA	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E11EA	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018

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SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
36	LYCOMING ENGINES	TVO-540-A1A	1E14	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E14	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
37	LYCOMING ENGINES	TIVO-540-A2A	1E14	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 1E14	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
38	LYCOMING ENGINES	IO-580-A1A, -B1A	E00004NY	FAR 33 and Amendments listed in TCDS No. E00004NY	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
39	LYCOMING ENGINES	AEIO-580-B1A	E00004NY	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E00004NY	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
40	LYCOMING ENGINES	TIO-540-A1A, A1B, -A1C, -A2A, -A2B, -A2C, -C1A, -E1A, -G1A, -H1A, -J2B, -U2A, -W2A, -AE2A, -AF1A, -AF1B, -AG1A, -AH1A, -AJ1A, -AK1A	E14EA	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E14EA	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
41	LYCOMING ENGINES	LTIO-540-J2B, -U2A, -W2A	E14EA	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E14EA	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018
42	LYCOMING ENGINES	TIO-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4	E10EA	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E10EA	SIM6L Installation Instructions, SF1004	REV B*, 07/26/2018	October 31, 2018

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SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
43	CONTINENTAL MOTORS, INC	C75-12, -15	E-233	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-233	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
44	CONTINENTAL MOTORS, INC	C85-12, -14, -15	E-233	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-233	SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
45	CONTINENTAL MOTORS, INC	C90 -12F, -12FH, -12FJ, -12FP, -14F, -14FH, -14FJ, -16F	E-252	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-252	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
46	CONTINENTAL MOTORS, INC	O-200-A, -B, -C	E-252	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-252	SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
47	CONTINENTAL MOTORS, INC	IO-240-A, -B	E7SO	FAR 33 and Amendments listed in TCDS No. E7SO	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	March 10, 2020
48	CONTINENTAL MOTORS, INC	C145-2, -2H, -2HP	E-253	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-253	SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
49	CONTINENTAL MOTORS, INC	O-300-A, -B, -C, -D, -E	E-253	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-253	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018

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SureFly Partners, Ltd.  
FOR  
INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
50	CONTINENTAL MOTORS, INC	E165-2, -3, -4	E-246	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-246	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
51	CONTINENTAL MOTORS, INC	E185-1, -2, -3, -5, -8, -9	E-246	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-246	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
52	CONTINENTAL MOTORS, INC	E225-2, -4, -8, -9	E-267	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-267	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
53	CONTINENTAL MOTORS, INC	GO-300-A, -B, -C, -D, -E, -F	E-298	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-298	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
54	CONTINENTAL MOTORS, INC	IO-346-A, -B	E3CE	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E3CE	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
55	CONTINENTAL MOTORS, INC	IO-360-A, -AB, -AF, -B, -C, -D, -DB, -E, -ES, -G, -GB, -H, -HB, -J, -JB, -K, -KB	E1CE	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E1CE	SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
56	CONTINENTAL MOTORS, INC	TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -G, -GB, -H, -HB, -EB, -FB, -JB, -KB, -LB, -BB, -MB, -NB, -PB, -RB, -SB	E9CE	SEE NOTE 1, Part 33 and Amendments listed in TCDS No. E9CE	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	March 10, 2020
							October 31, 2018

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**SureFly Partners, Ltd.**  
**FOR**  
**INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L**

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
57	CONTINENTAL MOTORS, INC	LTSIO-360-E, -EB, -KB, -RB	E9CE	SEE NOTE 1, Part 33 and Amendments listed in TCDS No. E9CE	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
58	CONTINENTAL MOTORS, INC	O-470-4, -11, -11B, -13, -13A, -15, -11-CI, -11B-CI	E-269	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-269	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
59	CONTINENTAL MOTORS, INC	O-470-A, -B, -E, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -T, -U, -B-CI, -G-CI, -K-CI, -L-CI, -M-CI	E-273	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-273	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
60	CONTINENTAL MOTORS, INC	IO-470-A, -C	E-273	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E-273	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
61	CONTINENTAL MOTORS, INC	IO-470-D, -E, -F, -G, -H, -J, -K, -L, -LO, -M, -N, -P, -R, -S, -T, -U, -V, -VO	3E1	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 3E1	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
62	CONTINENTAL MOTORS, INC	TSIO-470-B, -C, -D	3E3	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. 3E3	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
63	CONTINENTAL MOTORS, INC	IO-520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB, -N, -NB	E5CE	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E5CE	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018

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**FAA APPROVED MODEL LIST (AML) NO. SE04349CH**  
**SureFly Partners, Ltd.**  
**FOR**  
**INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L**

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
64	CONTINENTAL MOTORS, INC	GTSIO-520-C, -D, -E, -F, -H, -K, -L, -M, -N	E7CE	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E7CE	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
65	CONTINENTAL MOTORS, INC	TSIO-520-A, -B, -C, -D, -E, -G, -H, -J, -K, -L, -M, -N, -P, -R, -BB, -DB, -EB, -JB, -KB, -LB, -NB, -T, -U, -UB, -VB, -WB, -AE, -AF, -BE, -CE	E8CE	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E8CE	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
66	CONTINENTAL MOTORS, INC	LTSIO-520-AE	E8CE	SEE NOTE 1, CAR 13 and Amendments listed in TCDS No. E8CE	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
67	CONTINENTAL MOTORS, INC	TSIOL-550-A, -B, -C	E4SO	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E4SO	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
68	CONTINENTAL MOTORS, INC	IO-550-A, -B, -C, -D, -E, -F, -G, -L, -N, -P, -R	E3SO	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E3SO	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018
69	CONTINENTAL MOTORS, INC	TSIO-550-A, -B, -C, -E, -G, -K, -N	E5SO	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E5SO	SIM6C Installation Instructions, SF1003	REV B*, 07/26/2018	October 31, 2018

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## FAA APPROVED MODEL LIST (AML) NO. SE04349CH

SureFly Partners, Ltd.

FOR

## INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					TITLE, NUMBER	REVISION NO. AND DATE	
70	CONTINENTAL MOTORS, INC	O-360 -A1A1, A1A2, A2A1, A2A2, A3A1, A3A2, A4A1, A4A2, A5A1, A5A2 A6A1, A6A2, B1A1, B1A2, B2A1, B2A2, B3A1, B3A2, B4A1, B4A2, B5A1, B5A2, B6A1, B6A2, C1A1, C1A2, C2A1, C2A2, C3A1, C3A2, C4A1, C4A2, C5A1, C5A2, C6A1, C6A2, D1A1, D1A2, D2A1, D2A2, D3A1, D3A2, D4A1, D4A2, D5A1, D5A2, D6A1, D6A2, E1A1, E1A2, E2A1, E2A2, E3A1, E3A2, E4A1, E4A2, E5A1, E5A2, E6A1, E6A2	E00001SC	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E00001SC	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	
71	CONTINENTAL MOTORS, INC	IO-360 - A1A1, A1A2, A2A1, A2A2, A3A1, A3A2, A4A1, A4A2, A5A1, A5A2 A6A1, A6A2, B1A1, B1A2, B2A1, B2A2, B3A1, B3A2, B4A1, B4A2, B5A1, B5A2, B6A1, B6A2, C1A1, C1A2, C2A1, C2A2, C3A1, C3A2, C4A1, C4A2, C5A1, C5A2, C6A1, C6A2, D1A1, D1A2, D2A1, D2A2, D3A1, D3A2, D4A1, D4A2, D5A1, D5A2, D6A1, D6A2, E1A1, E1A2, E2A1, E2A2, E3A1, E3A2, E4A1, E4A2, E5A1, E5A2, E6A1, E6A2	E00001SC	SEE NOTE 1, FAR 33 and Amendments listed in TCDS No. E00001SC	SIM4P Installation Instructions, SF1001	REV B*, 07/26/2018	October 31, 2018
					SIM4N Installation Instructions, SF1002	REV B*, 07/26/2018	

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## FAA APPROVED MODEL LIST (AML) NO. SE04349CH

SureFly Partners, Ltd.

FOR

## INSTALLATION OF SUREFLY IGNITION MODEL SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: October 31, 2018

ANTHONY T FLORES

Digitally signed by ANTHONY T FLORES  
Date: 2020.03.20 13:14:20 -05'00'

FAA Approved: Roy E Boffo III  
Manager, Propulsion and Program Management Section  
Chicago ACO Branch

Date amended: March 10, 2020



Effective: October 31, 2018



Subject: SureFly Electronic Ignition STC Permission

To Whom it May Concern:

The qualified aviation installer holder of this letter is hereby authorized to use the following STC:

STC Number SE04349CH — to modify eligible engines per the STC installation instructions

The following person is hereby permitted to use this STC:

RRG Software LLC  
Enter name of STC user here

Sincerely,

  
\_\_\_\_\_  
Jason Hitchison  
General Manager

[sales@surefly.aero](mailto:sales@surefly.aero)

[www.surefly.aero](http://www.surefly.aero)

(817) 373-5161





350 Howard Clemmons Rd.  
Granbury, TX 76048  
Document No.  
SF2006, Revision B  
AML Number: SA04378CH

FAA-APPROVED  
AIRPLANE FLIGHT MANUAL SUPPLEMENT  
FOR

Make and Model Airplane  
Reg. No. N81916  
Ser. No. 28-8016311

This supplement must be attached to the FAA-approved Airplane Flight Manual dated \_\_\_\_\_ when an engine modified per STC SA04349CH is installed into an airframe in accordance with STC SA04378CH. The information on this document supplements or supersedes the basic manual only in those areas listed. For limitations, procedures, performance and loading information not contained in this supplement, consult the basic Airplane Flight Manual.

FAA Approved William P. Jones  
Manager, Southwest Flight Test Section, AIR-713  
Federal Aviation Administration  
Ft. Worth, TX

Date AUG 27 2019

LOG OF REVISIONS

Revision	Issue Date	Pages Affected	Approval	Approval Date
A	08 FEB 2019	All		
B	27 AUG 2019	2	JH	27 AUG 2019



# 1. LIMITATIONS:

- 1) Do not operate aircraft with low battery voltage or an inoperative charging system.
- 2) If SureFly Ignition Module (SIM) is configured for advance timing mode:
  - 2.1) Use 100 LL or equivalent approved aircraft fuel only. Auto fuel is not approved for use in advance timing mode.
  - 2.2) Do not operate aircraft with inoperative Cylinder Head Temperature (CHT) monitoring system.

## Notes:

When configured for advanced timing mode, the engine can experience slightly elevated cylinder head temperatures if operated lean of peak. When leaning, exercise increased caution and always follow the baseline AFM/POH and engine manufacturer leaning recommendations, as well as all published oil temperature and CHT limitations.

SureFly Installation Mode: (installing mechanic to identify configured mode below)

<input type="checkbox"/>	SureFly Ignition installed in advanced timing mode.
<input checked="" type="checkbox"/>	SureFly Ignition installed in fixed timing mode.

# II. PROCEDURES:

- 1) If the aircraft battery charging system becomes inoperative, load shed all non-essential equipment and land at first suitable airport.
- 2) If the aircraft electrical system drops below 8.5V or the SIM malfunctions, the loss of the SureFly system may be characterized as a magneto failure.
- 3) In the event of an actual or suspected SIM failure, follow procedures in the AFM/POH for the loss of a magneto.

# III. PERFORMANCE:

NO CHANGE

# IV. LOADING INFORMATION:

NO CHANGE

# V. SYSTEM DESCRIPTION (not approved data):

The SureFly Ignition Module (SIM) is an electronic ignition system that replaces one of the existing magnetos on the airplane's engine(s).

Only one SIM is installed per engine.

The SIM operates in either fixed or advance timing mode depending on installed configuration.

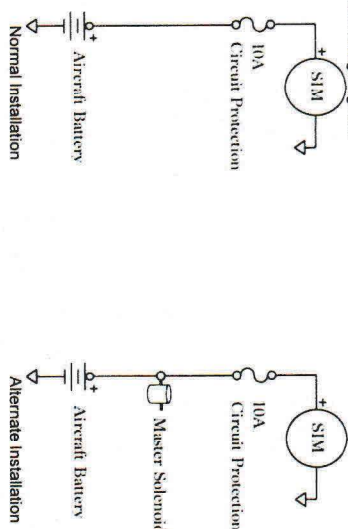
The SIM is configured at installation and is not pilot controlled.

The SIM operates and is controlled like the magneto it replaces.

The SIM requires a constant, external supply of 8.5 – 30VDC power to operate.

FAA Approved **AUG 27 2019**

System wiring diagram.



The SIM consumes 1 amp of power and will deplete the main battery in the event of a generator or alternator failure even with battery/master switch off.

Turning the Ignition switch off is the only means to remove the SIM electrical load from battery.

FAA Approved **AUG 27 2019**

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*This certificate is issued to:*  
**Manufacturer:** SMO4378CH  
Surefly Partners, Ltd.  
2901 East Ohio Boulevard, Ste. 137  
Terre Haute, IN 47803

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 21 of the Federal Aviation Regulations*  
**(original, amended, type certificate, number, \*)**  
**Model, \***  
See attached FAA Approved Model List  
(AML) No. SMO4378CH for list of approved Aircraft  
Models and applicable airworthiness regulations.  
**Model, \***

*Description of Type Design Change:*  
Installation of an engine modified per STC SF04349CH on an aircraft listed on FAA Approved Model List (AML) No. SMO4378CH dated 01-13-2019, or later FAA approved revision, in accordance with Surefly installation instructions listed on the AML.

- Limitations and Conditions:*
1. The subject engine may only have one (1) Surefly electronic ignition installed.
  2. The airframe must be equipped with a 12-Volt battery having a minimum capacity of 20Ah or a 24-Volt battery having a minimum of 8.5Ah.
  3. FAA Approved Airplane Flight Manual Supplement document number SF2006, revision A dated February 11, 2019, or later.
  4. FAA approved revision is a required part of this modification.
  5. Compatibility of this design change with previously approved modifications must be determined by the installer.
  6. A copy of this Certificate and FAA Approved Model List (AML) No. SMO4378CH dated February 15, 2019, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.
- If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until superseded, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date received:*  
**Date of application:** November 7, 2017  
**Date of issuance:** February 15, 2019



*By direction of the Administrator:*  
**(Signature)**  
Tim Gonyea  
Manager  
Chicago ACO Branch  
Compliance & Airworthiness Division, AIR-7C0  
**(Title)**



## FAA APPROVED MODEL LIST (AML) NO. SA04378CH

SureFly Partners, Ltd.

## INSTALLATION OF ENGINE MODIFIED WITH A SUREFLY IGNITION MODULE SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: February 15, 2019

ITEM	AIRCRAFT MAKE (TCDS Holder) [common name or previous make]	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERT BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS TITLE, NUMBER REV, DATE		AML AMENDED DATE
1	Aermacchi S.p.A (Aermacchi S.p.A) [Siai Marchetti]	F.260, F.260B, F.260C, F.260D, F.260E, F.260F	A10EU	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. A10EU	SF2001 Installation Instructions	REV IR*, 10/19/2018, Note 4	-
2	AeroSedan, LLC	15AC, S15AC	A-802	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. A-802	SF2001 Installation Instructions	REV IR*, 10/19/2018 Note 4	-
3	Aeromere (Aeromere S.A.) [Falco]	Falco F.8.L	7A11	SEE NOTE 1, CAR 3/10 and Amendments listed in TCDS No. 7A11	SF2001 Installation Instructions	REV IR*, 10/19/2018 Note 4	-
4	Aerosar Aircraft Corperation	PA-60-601, PA-60-601P, PA-60-602P, PA-60-700P	A17WE	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A17WE	SF2001 Installation Instructions	REV IR*, 10/19/2018 Note 4	April 14, 2020
5	Alexandria Aircraft (Alexandria Aircraft, LLC) [Bellanca]	14-19, 14-19-2, 14-19-3, 14-19- 3A	1A3	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. 1A3	SF2001 Installation Instructions	REV IR*, 10/19/2018	July 07, 2020
6	Alexandria Aircraft (Alexandria Aircraft, LLC) [Bellanca]	17-30, 17-31	1A3	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. 1A3	SF2001 Installation Instructions	REV IR*, 10/19/2018	July 07, 2020
7	Alexandria Aircraft (Alexandria Aircraft, LLC) [Bellanca]	17-30A, 17-31A	A18CE	SEE NOTE 1, Part 23 and Amendments	SF2001 Installation Instructions	REV IR*, 10/19/2018	July 07, 2020

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## FAA APPROVED MODEL LIST (AML) NO. SA04378CH

SureFly Partners, Ltd.

## INSTALLATION OF ENGINE MODIFIED WITH A SUREFLY IGNITION MODULE SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: February 15, 2019

ITEM	AIRCRAFT MAKE (TCDS Holder) [common name or previous make]	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERT BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS TITLE, NUMBER REV, DATE		AML AMENDED DATE
				listed in TCDS No. A18CE			
8	Alexandria Aircraft (Alexandria Aircraft, LLC) [Bellanca]	17-31TC	1A3	SEE NOTE 1, Part 3 and Amendments listed in TCDS No. 1A3	SF2001 Installation Instructions	REV IR*, 10/19/2018 Note 4	December 5, 2019
9	Alexandria Aircraft (Alexandria Aircraft, LLC) [Bellanca]	17-31ATC	A18CE	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A18CE	SF2001 Installation Instructions	REV IR*, 10/19/2018 Note 4	December 5, 2019
10	American Champion (American Champion Aircraft Corporation)	7ECA, 7GCAA, 7GCBC, 7KCAB, 7EC, S7EC, 7FC, 7GC, 7HC, 7GCA, 7JC, 7GCB, 7KC, 7GCB, 7AC, 7BCM, 7CCM, 7DC, S7DC, S7CCM	A-759	SEE NOTE 1, CAR 4a and Amendments listed in TCDS No. A-759	SF2001 Installation Instructions	REV IR*, 10/19/2018	May 13, 2019
11	American Champion (American Champion Aircraft Corporation)	8KCAB, 8GCBC	A21CE	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A21CE	SF2001 Installation Instructions	REV IR*, 10/19/2018	June 11, 2019
12	Aviat Aircraft, Inc. (Aviat Aircraft, Inc.) [Sky International]	A-1, A-1A, A-1B, A-1C-180, A- 1C-200	A22NM	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A22NM	SF2001 Installation Instructions	REV IR*, 10/19/2018 Note 4	-
13	Aviat Aircraft, Inc. (Aviat Aircraft, Inc.) [Sky International]	S-1S, S-1T, S-2, S-2A, S-2S, S- 2B, S-2C	A8SO	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A8SO	SF2001 Installation Instructions	REV IR*, 10/19/2018 Note 4	-

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## FAA APPROVED MODEL LIST (AML) NO. SA04378CH

SureFly Partners, Ltd.

## INSTALLATION OF ENGINE MODIFIED WITH A SUREFLY IGNITION MODULE SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: February 15, 2019

ITEM	AIRCRAFT MAKE (TCDS Holder) [common name or previous make]	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERT BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS TITLE, NUMBER REV, DATE	AML AMENDED DATE
14	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	A1CE	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. A1CE	SF2001 Installation Instructions REV IR*, 10/19/2018	August 27, 2019
15	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	35-C33A, E33A, E33C, F33A, F33C, S35 Non-turbo, V35 Non- turbo, V35A Non-turbo, V35B Non-turbo, 36, A36, G36	3A15	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. 3A15	SF2001 Installation Instructions REV IR*, 10/19/2018	July 07, 2020
16	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	S35 Turbo, V35 Turbo, V35A turbo, V35B Turbo	3A15	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. 3A15	SF2001 Installation Instructions REV IR*, 10/19/2018 Note 4	April 14, 2020
17	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	E33, F33, G33, H35, J35, K35, K35, M35, N35, P35, 35-33, 35- A33, 35-B33, 35-C33	3A15	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. 3A15	SF2001 Installation Instructions REV IR*, 10/19/2018	-
18	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	35, A35, B35, C35, D35, E35, F35, G35, 35R	A-777	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. A-777	SF2001 Installation Instructions REV IR*, 10/19/2018	June 11, 2019
19	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation]	A36TC, B36TC	3A15	SEE NOTE 1, Part 3 and Amendments	SF2001 Installation Instructions REV IR*, 10/19/2018 Note 4	December 5, 2019

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## FAA APPROVED MODEL LIST (AML) NO. SA04378CH

SureFly Partners, Ltd.

## INSTALLATION OF ENGINE MODIFIED WITH A SUREFLY IGNITION MODULE SIM4N, SIM4P, SIM6C or SIM6L

Issue Date: February 15, 2019

ITEM	AIRCRAFT MAKE (TCDS Holder) [common name or previous make]	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERT BASIS FOR AMENDMENT	INSTALLATION INSTRUCTIONS TITLE, NUMBER REV, DATE	AML AMENDED DATE
	[Raytheon Aircraft Company] [Beech Aircraft Company]			listed in TCDS No. 3A15		
20	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	77	A30CE	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A30CE	SF2001 Installation Instructions REV IR*, 10/19/2018 Note 4	-
21	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	56TC, A56TC	3A16	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. 3A16	SF2001 Installation Instructions REV IR*, 10/19/2018 Note 4	April 14, 2020
22	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	58P, 58PA, 58TC, 58TCA	A23CE	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A23CE	SF2001 Installation Instructions REV IR*, 10/19/2018 Note 4	April 14, 2020
23	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	60, A60, B60	A12CE	SEE NOTE 1, Part 23 and Amendments listed in TCDS No. A12CE	SF2001 Installation Instructions REV IR*, 10/19/2018 Note 4	April 14, 2020
24	Textron Aviation Inc. (Beechcraft Corporation) [Hawker Beechcraft Corporation] [Raytheon Aircraft Company] [Beech Aircraft Company]	65 (L-23F), 65-80, 65-A80, 65- A80-8800, 65-B80, 65-88, A65, A65-8200, 70	3A20	SEE NOTE 1, CAR 3 and Amendments listed in TCDS No. 3A20	SF2001 Installation Instructions REV IR*, 10/19/2018 Note 4	April 14, 2020

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