



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

Small Airplane Directorate
Manufacturing Inspection District Office
6020 28th Avenue South, Room 103
Minneapolis, Minnesota 55450-2700

September 23, 2014

Mr. Jamison Peters
Airframes Alaska
PO Box 670989
Chugiak, Alaska 99567

Dear Mr. Peters:

This is in response to Airframes Alaska letter dated September 15, 2014, whereby you notified this office of a name change of your company. Enclosed is your revised Federal Aviation Administration – Part Manufacturer Approval (FAA-PMA) letter dated September 23, 2014, which supersedes the previous FAA-PMA letter dated March 24, 2008.

Supplements No. 1 through 6 to the previous FAA-PMA letter for Northern Airframes, LLC are now supplements 1 through 6 of your new approval and will be retained as part of your new PMA letter. We require that the superseded FAA-PMA letter dated March 24, 2008, be returned to our office.

If you have any questions, please contact Mr. Jeff Jones at (907) 271-1969.

Sincerely,

For Timothy L. Bonderer
Minneapolis MIDO

Enclosure



U.S. Department
of Transportation
**Federal Aviation
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Small Airplane Directorate
Manufacturing Inspection District Office
6020 28th Avenue South, Room 103
Minneapolis, Minnesota 55450-2700

September 23, 2014

Mr. Jamison Peters
Airframes Alaska
PO Box 670989
Chugiak Alaska 99567

Supersedes PMA Letter dated:
March 24, 2008, Issued to Northern
Airframes, LLC

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Peters:

In accordance with Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, as submitted by Airframes Alaska (hereinafter referred to as "the Manufacturer"), meet the airworthiness requirements of 14 CFR applicable to the product(s) on which the article(s) is to be installed. Additionally, the FAA has determined that the Manufacturer has established the quality system required by § 21.307 at 20130 Birchwood Loop Spur Road, Chugiak, Alaska 99567. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to the Manufacturer to produce the replacement articles (or modification articles, as applicable) listed in the identified supplement(s) in conformity with the FAA-approved design data. Subsequent changes to these design data must be approved in a manner acceptable to the FAA. Note that supplements 1 through 6 have your previous name but do represent your current approval.

The following terms and conditions apply to this approval:

1. The Manufacturer's quality system, methods, procedures, and manufacturing facilities, including suppliers, are subject to FAA surveillance and investigations. Accordingly, the Manufacturer must advise its suppliers that their facilities are also subject to FAA surveillance and investigations.
2. The Manufacturer must obtain approval from the Minneapolis Manufacturing Inspection District Office (MIDO), prior to relocating or expanding manufacturing facilities at which articles are produced. This includes the addition of associate facilities. Additionally, this requirement applies to the Manufacturer's suppliers with major inspection authorization, and those suppliers who furnish articles or related services where a determination of safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.
3. Upon request, the Manufacturer must make available to the FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:
 - a. A description of the part or service;
 - b. Where and by whom the part or service will undergo inspection;

- c. Any delegation of inspection duties;
 - d. Any delegation of materials review authority;
 - e. The name and title of the FAA contact at the supplier facility;
 - f. The inspection procedures required to be implemented;
 - g. Any direct-shipment authority;
 - h. Results of the Manufacturer's evaluation, audit, and/or surveillance of their suppliers;
 - i. The purchase/work order number (or equivalent); and
 - j. Any feedback relative to service difficulties originating at the Manufacturer's suppliers.
4. Parts, appliances, or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any article or listed in the enclosed supplement unless:
- a. That part or service can and will be completely inspected for conformity at the Manufacturer's U.S. facility; or
 - b. The FAA has determined that the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. The Manufacturer must advise the FAA at least ten working days in advance when the use of such foreign suppliers is contemplated. This will allow the FAA time to make this determination.
5. Articles produced under the terms of this approval must be permanently marked with the identification information as required by 14 CFR part 45, Identification and Registration Marking, § 45.15. Use the letters "FAA-PMA," the name, trademark, or symbol of the company, and the part number. If the FAA finds the article is too small or impractical to mark, the manufacturer must attach the information required by § 45.15 to the article or its container.
6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds that the quality system is not being maintained. A withdrawal may occur if unsafe or nonconforming articles are accepted under the quality system.
7. The Minneapolis MIDO must approve any changes to the address shown in this approval.
8. The Manufacturer must maintain its quality system in continuous compliance with the requirements of § 21.307. The Manufacturer also must ensure that each article conforms to the approved design data and is safe for installation on type-certificated products.
9. A PMA holder has the privileges specified within the PMA letter and supplement. In addition, a PMA holder is eligible for the appointment of qualified individuals in its employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs), in accordance with the provisions of part 183. The DMIRs may issue export airworthiness approvals for articles. The PMA holder may also be authorized to apply for and obtain an Organization Designation

Authorization (ODA). Orders 8100.8 and 8100.15 contain procedures for the administration of DMIRs and ODAs, respectively.

10. The Manufacturer must report in a timely manner, to the Minneapolis MIDO, information concerning service difficulties on any article produced under this approval. The Manufacturer also must report any failures, malfunctions, and defects that are required to be reported in accordance with § 21.3.

11. All technical data required by § 21.303(a)(3), for the articles to be produced in accordance with this approval, must be readily available to the FAA at the facility where the articles are being produced.

12. The Manufacturer must notify the Minneapolis MIDO immediately in writing of any changes to the quality system that may affect the inspection, conformity, or airworthiness of the articles approved in this letter.

13. The Manufacturer must produce all articles in accordance with Airframes Alaska Quality Manual, revision F, dated September 15, 2014 that has been presented as evidence of compliance with § 21.307. Accordingly, any revisions to these data must be submitted to the Minneapolis MIDO for approval prior to implementation.

Sincerely,



For Timothy L. Bonderer
Manager, Minneapolis MIDO

Enclosure

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Northern Airframes, LLC
 20130 Birchwood Loop Spur
 Chugiak, AK 99567

PMA NO. PQ3848CE
 SUPPLEMENT NO. 01
 DATED: March 24, 2008

Part Name	Part Number	Approved Replacement for Part Number	FAA Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Wing Ribs	All Part Numbers Listed In report 0003, dated 7-9-96 or Later FAA Approved Revision	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List STC SA98CH, Report No. 0003, Dated 7/9/96 or Later FAA Approved Revision	Piper	J3C-40, -50, -50S, -65, -65S, PA-18, -18A, -18S, -18 "135", -18S "135", -18, "150", -18A "150", PA-11, 11S, J-4, J4A, J4A-S, J4B, J4E (Army L-4E), J4F, J5C, PA-12, PA-12S, PA-14, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160.
Flap Assembly	DC12768	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List DC12768, or Later FAA Approved Revision	Piper	PA-18, PA-18S, PA-18 "105", PA-18S "105", PA-18A, PA-18 "125", PA-18S "125", PA-18AS "125", PA-18 "135", PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"
Aileron Assembly	DC42585	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List DC42585, or Later FAA Approved Revision	Piper	J-3, PA-11, PA-11S, PA-18, PA-18S, PA-18 "105", PA-18S "105", PA-18A, PA-18 "125", PA-18S "125", PA-18AS "125", PA-18 "135", PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"
Spar- Rear	DC14453	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List DC14453, Dated 6/3/95 or Later FAA Approved Revision	Piper	J-3, PA-11, PA-11S
Spar – Front	DC14383	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List DC14383, Dated 6/3/95 or Later FAA Approved Revision	Piper	J-3, PA-11, PA-11S, PA-18, PA-18S, PA-18 "105", PA-18S "105", PA-18A, PA-18 "125", PA-18S "125", PA-18AS "125", PA-18 "135", PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
Spar – Rear	DC14392	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List DC14392, Dated 6/3/95 or Later FAA Approved Revision	Piper	PA-18, PA-18S, PA-18 “105”, PA-18S “105”, PA-18A, PA-18 “125”, PA-18S “125”, PA-18AS “125”, PA-18 “135”, PA-18A “135”, PA-18S “135”, PA-18AS “135”, PA-18 “150”, PA-18A “150”, PA-18S “150”, PA-18AS “150”
Leading Edge Slot Wing Panel Assembly – Left	DC14394-1814L	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18-150 Rear Spar – Left	DC14392-2	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18-150 Rear Spar – Right	DC14392-3	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18-150 Rear Spar 1814 Mod – Left	DC14392-1814-2	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18-150 Rear Spar 1814 Mod – Right	DC14392-1814-3	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18-150 Front Spar – Left	DC14391-2	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18-150 Front Spar – Right	DC14391-3	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Page 3 of 14

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
PA18-150 Front Spar 1814 Mod – Left	DC14391- 1814-2	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18-150 Front Spar 1814 Mod – Right	DC14391- 1814-3	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18 Aileron Mod – Left	DC42585 Mod L	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA18 Aileron Mod – Right	DC42585 Mod R	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision Identity per 14 CFR 21.303,	Piper	PA-18 “150” PA-18A “150”
PA1814 Leading Edge- 2 Left	DC1814LE-2L	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA1814 Leading Edge- 2 Right	DC1814LE-2R	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA1814 Leading Edge- 3 Left	DC1814LE-3L	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”
PA1814 Leading Edge- 3 Right	DC1814LE-3R	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 “150” PA-18A “150”

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Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
PA1814 Leading Edge-4 Left	DC1814LE-4L	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 "150" PA-18A "150"
PA1814 Leading Edge-4 Right	DC1814LE-4R	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 "150" PA-18A "150"
Flap Assembly – PA1814-Left	DC1814 Flap L	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 "150" PA-18A "150"
Flap Assembly – PA1814-Right	DC1814 Flap R	Mod Part	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Cub Aircraft of South Dakota and Northern Airframes LLC Dated 01/14/08, Drawing List MDL1814-1, Dated 5/6/99 or Later FAA Approved Revision	Piper	PA-18 "150" PA-18A "150"
Wing Panel Assembly (Left)	DC14394	Piper P/N 14394	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota FAA Design Approval Letter dated February 1, 2002. Test and computations per 14CFR 21.303 DWG: DC14394 Dated: Dec. 12, 2001 or later FAA approved revision	Piper	PA-18 "135" (Army L-21B) PA-18A "135" PA-18S "135" PA-18AS "135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Wing Panel Assembly (Right)	DC14394-1	Piper P/N 14394-1	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota FAA Design Approval Letter dated February 1, 2002. Test and computations per 14CFR 21.303 DWG: DC14394 Dated: Dec. 12, 2001 or later FAA approved revision	Piper	PA-18 "135" (Army L-21B) PA-18A "135" PA-18S "135" PA-18AS "135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Extended Wing Assembly (Left)	DC14394-EXT-L	Piper P/N 14394-00	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota STC No. SA02191AK dated February 1, 2002 Dwg: MDL-PA18WING-EXT Date: January 31, 2002 or later FAA approved revision	Piper	PA-18 "135" (Army L-21B) PA-18A "135" PA-18S "135" PA-18AS "135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Extended Wing Assembly (Right)	DC14394-EXT-R	Piper P/N 14394-01	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota STC No. SA02191AK dated February 1, 2002 Dwg: MDL-PA18WING-EXT Date: January 31, 2002 or later FAA approved revision	Piper	PA-18 "135" (Army L-21B) PA-18A "135" PA-18S "135" PA-18AS "135" PA-18 "150" PA-18A "150"

PMA NO. PQ3848CE
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DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
					PA-18S "150" PA-18AS "150"
Leading Edge	J3WS-LE-1 J3WS-LE-2 J3WS-LE-3 J3WS-LE-4	13072-3 13072-2 13072-4 13072-4	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - Leading Edges -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	J-3 Wood Spar
Leading Edge	J3MS-LE-1 J3MS-LE-2 J3MS-LE-3	15472 15472-1 15482 15482-1 13072-5	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - Leading Edges -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	J-3 Metal Spar
Leading Edge	PA11-LE-1L PA11-LE-1R PA-11-LE-2 PA-11-LE-3 PA11-LE-4	10630 15472-1 10631 15482 15482-1 13072-5	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - Leading Edges -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-11, PA-11S
Leading Edge	PA12-LE-1 PA12-LE-2 PA12-LE-3 PA12-LE-4	10116-2 10116-3 10116-4 10116-5 10116-4 10116-5 10116-6 10116-7	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - Leading Edges -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	J-5C, PA-12, PA-12S
Leading Edge	PA14-LE-1 PA14-LE-2 PA14-LE-3 PA14-LE-4	10116-2 10116-3 10116-8 10116-5 10116-8 10116-5 10116-6 10116-7	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - Leading Edges -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-14
Leading Edge	PA18-LE-1 PA18-LE-2 PA18-LE-3 PA18-LE-4	10630-11 10630-09 10631-00 10631-01 15482-00 15482-01 13072-05	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - Leading Edges -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-18, PA-18A, PA-18S, PA-18"105", PA- 18S"105", PA-18"125", PA- 18S"125", PA-18AS"125", PA18"135", PA- 18A"135", PA-18S"135, PA-18AS"135"
Leading Edge	PA18-150-LE-1 PA18-150-LE-2 PA18-150-LE-3 PA18-150-LE-4	10630-08 10630-05 14387-00 14387-01 14389-00 14389-01 13072-5	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - Leading Edges -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-18"150", PA- 18A"150", PA-18S"150", PA-18AS"150"

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
False Spar	J3WS-FS-3 J3WS-FS-4	13092-2 13092-3 13092-4 13092-5	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	J3 Wood Spar
False Spar	J3MS-FS-3 J3MS-FS-4	15562 15562-1 15572 15572-1	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	J-3 Metal Spar
False Spar	PA11-FS-3 PA11-FS-4	15562 15562-1 15572 15572-1	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-11, PA-11S
False Spar	PA12-FS-3 PA12-FS-4	16512 16512-1 16502 16502-1	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	J-5C, PA-12, PA-12S
False Spar	PA14-FS-1 PA14-FS-2 PA14-FS-3 PA14-FS-4	11671 11671-1 11670 11670-1 16512 16512-1 16502 16502-1	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-14
False Spar	PA18-FS-3 PA18-FS-4	15562-00 15562-01 15572-00 15572-01	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-18, PA-18A, PA-18S, PA-18"105", PA- 18S"105", PA-18"125", PA- 18S"125", PA-18AS"125"
False Spar	PA18-135-FS-1 PA18-135-FS-2 PA18-135-FS-3 PA18-135-FS-4	14385-00 14385-01 11670-02 11670-03 15562-00 15562-01 15572-00 15572-01	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-18"135", PA- 18A"135", PA-18S"135, PA- 18AS"135"
False Spar	PA18-150-FS-1 PA18-150-FS-2 PA18-150-FS-3 PA18-150-FS-4	14385-00 14385-01 11670-04 11670-05 14382-00 14382-01 15572-02 15572-03	Identity per 14 CFR 21.303, Licensing Agreement Between Dakota Test and Computation per 14 CFR § 21.303 <u>DWG List</u> - False Spar -01 <u>Rev:</u> A <u>Date:</u> 4/11/2003 Or later FAA approve revisions	Piper	PA-18"150", PA- 18A"150", PA-18S"150", PA-18AS"150"

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
Brake Booster Assembly	Per MDL 84-100	Modification Part	Identity per 14 CFR 21.303 STC SA2318NM DWG No: MDL 84-100 Rev: B Date: 04/17/1993 Or later FAA approved revisions.	Piper	PA-18 Series With STC SA2318NM
Brake Booster Assembly	Per MDL 84-100	Modification Part	Identity per 14 CFR 21.303 STC SA3633NM DWG No: MDL 84-100 Rev: B Date: 04/17/1993 Or later FAA approved revisions.	Piper	PA-12 Series With STC SA3633NM
Brake Booster Assembly	Per MDL 84-100	Modification Part	Identity per 14 CFR 21.303 STC SA3634NM DWG No: MDL 84-100 Rev: B Date: 04/17/1993 Or later FAA approved revisions.	Piper	PA-14 Series With STC SA3634NM
Brake Booster Assembly	Per MDL 84-100	Modification Part	Identity per 14 CFR 21.303 STC SA3635NM DWG No: MDL 84-100 Rev: B Date: 04/17/1993 Or later FAA approved revisions.	Piper	J5C With STC SA3635NM
Brake Booster Assembly	Per MDL 84-100	Modification Part	Identity per 14 CFR 21.303 STC SA4629NM DWG No: MDL 84-100 Rev: B Date: 04/17/1993 Or later FAA approved revisions.	Piper	J3C Series With STC SA4629NM
Brake Booster Assembly	Per MDL 84-100	Modification Part	Identity per 14 CFR 21.303 STC SA4653NM DWG No: MDL 84-100 Rev: B Date: 04/17/1993 Or later FAA approved revisions.	Piper	PA22 "150" PA22 "160" PA22 "108" With STC SA 4653NM
Weld-on Float Fitting	AF59078	Modification Part	Identity per 14 CFR 21.303 STC SA02262AK DWG No: MDL AF591078 Date: 11/24/2005 Or later FAA approved revision	Piper	PA-18, PA18S PA-18 "105" PA-18S "105" PA-18A PA-18 "125" PA-18S "125" PA-18AS "125" PA-18 "135" PA-18A "135" PA-18S "135" PA-18AS "135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"

PMA NO. PQ3848CE
 PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
 DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
Vee Assembly – Landing Gear	AF10033X3	Modification part	Identity per 14 CFR 21.303 STC Number SA02175AK Master Data List No. MDL-AI-01-01 dated 05/14/01	Piper	PA-18 PA-18S PA-18 “105” (Special) PA-18S “105” (Special) PA-18A PA-18 “125” (Army L-21A), PA-18S “125” PA-18AS “125” PA-18 “135” (Army L-21B) PA-18 A“135” PA-18 S“135” PA-18 AS“135” PA-18 “150” PA-18A “150” PA-18S “150” PA-18AS “150”
Shock Strut Lower, 3” Extended	AF12844-3	Modification Part	Identity per 14 CFR 21.303 STC Number SA02175AK Master Data List No. MDL-AI-01-01 dated 05/14/01	Piper	PA-18 PA-18S PA-18 “105” (Special) PA-18S “105” (Special) PA-18A PA-18 “125” (Army L-21A), PA-18S “125” PA-18AS “125” PA-18 “135” (Army L-21B) PA-18 A“135” PA-18 S“135” PA-18 AS“135” PA-18 “150” PA-18A “150” PA-18S “150” PA-18AS “150”
Base Assembly Front Seat	AF12268	Piper P/N 12268	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: AF12268 Date: 1/5/2001 Or later FAA approve revisions	Piper	PA-18 Series

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
Frame Assembly Front Seat	AF12267	Piper P/N 12267	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Airframes, Inc. Drawing No: AF12267 Date: 1/6/2001 Or later FAA approve revisions	Piper	PA-18 Series
Stabilizer Assembly	AF12769	Piper P/N 12769	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: AF12769, Dated: 5/19/1998 Or later FAA approved revisions	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18A PA-18 "125" (Army L-21A) PA-18S "125" PA-18AS "125" PA-18 "135" (Army L-21B) PA-18 A"135" PA-18 S"135" PA-18 AS"135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Elevator Assembly	AF12770	Piper P/N 12770	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: AF12770 Dated: 5/19/1998 Or later FAA approved revisions	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18A PA-18 "125" (Army L-21A) PA-18S "125" PA-18AS "125" PA-18 "135" (Army L-21B) PA-18 A"135" PA-18 S"135" PA-18 AS"135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
Fin Assembly	AF40592	Piper P/N 40592	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: 40592 Date: 10/29/1998 Or later FAA approved revisions	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18A PA-18 "125" (Army L-21A) PA-18S "125" PA-18AS "125" PA-18 "135" (Army L-21B) PA-18 A"135" PA-18 S"135" PA-18 AS"135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Rudder Assembly	AF40622	Piper P/N 40622	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: AF40622 Dated: 5/19/1998 Or later FAA approved revisions	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18A PA-18 "125" (Army L-21A) PA-18S "125" PA-18AS "125" PA-18 "135" (Army L-21B) PA-18 A"135" PA-18 S"135" PA-18 AS"135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Strut Assembly – Front Lift	AF89497-2	Piper P/N 89497-2	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: AF89497 Date: 12/5/2000 Or later FAA approved revisions	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18A PA-18 "125" (Army L-21A) PA-18S "125" PA-18AS "125"

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
					PA-18 "135" (Army L-21B) PA-18 A"135" PA-18 S"135" PA-18 AS"135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Rear Lift Strut Assembly	AF89498-02	Piper P/N 89498-02	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303. Airframes, Inc. Drawing No: AF89498-02 Date: March 25, 2000 or later FAA approve revision	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18A PA-18 "125" (Army L-21A) PA-18S "125" PA-18AS "125" PA-18 "135" (Army L-21B) PA-18 A"135" PA-18 S"135" PA-18 AS"135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
Strut Assembly – Front Lift	AF85552-2	Piper P/N 85552-2	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: AF89497-2 Date: 12/5/2000 Or later FAA approved revisions	Piper	PA-12 PA12-S PA-14
Strut Assembly Rear Lift	AF85553-02	Piper P/N 85553-002	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Drawing No: AF85553-02 Date: 9/19/2000 Or later FAA approved revisions	Piper	PA-12 PA-12-S PA-14
Strut Assembly Rear Lift	AF85559-2	Piper P/N 85559-2	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Airframes, Inc. Drawing No: AF85559-2 Date: March 17, 2004 Or later FAA approve revisions	Piper	PA 20/22 All Models

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
Strut Assembly Front Lift	AF85560-2	Piper P/N 85560-2	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Airframes, Inc. Drawing No: AF85560-2 Date: March 17, 2004 Or later FAA approve revisions	Piper	PA 20/22 All Models
Shock Strut Lower Widebody	AF12844-4	Modification Part	Identity per 14 CFR 21.303 STC SA02187AK Master Data AF18-4 Date: 09/26/2001 Or later FAA approved revisions	Piper	PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150"
Shock Strut Lower Widebody 3" extended gear	AF12844-43	Modification Part	Identity per 14 CFR 21.303 STC SA02187AK Master Data AF18-4 Date: 09/26/2001 Or later FAA approved revisions	Piper	PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150"
Cabane Vee	AF30602-4	Modification Part	Identity per 14 CFR 21.303 STC SA02187AK Master Data AF18-4 Date: 06/10/2001 Or later FAA approved revisions	Piper	PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150"
Lower Door Assembly	AF12257	Piper P/N 12257	Identity per 14 CFR 21.303 Test and Computations per 14 CFR § 21.303 Airframes, Inc. Drawing No: AF12257 Dated: 3/30/1999 Or later FAA approved revisions	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18A PA-18 "125" (Army L-21A) PA-18S "125" PA-18AS "125" PA-18 "135" (Army L-21B) PA-18 A"135" PA-18 S"135" PA-18 AS"135" PA-18 "150" PA-18A "150" PA-18S "150" PA-18AS "150"
PA-18 Fuselage	AF18	Replacement Part	Identity per 14 CFR 21.303 STC Number SA02128AK	Piper	PA-18 PA-18S PA-18 "105" (Special) PA-18S "105" (Special) PA-18 "125" (Army

PMA NO. PQ3848CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
					L-21A) PA-18S "125" PA-18 "135" (Army L-21B) PA-18 S"135" PA-18 "150" PA-18S "150"
4" Wider Frame Assembly/ Fuselage	AF18-4	Modification Part	Identity per 14 CFR 21.303 STC SA02187AK Master Data AF18-4 Date: 06/10/2001 Or later FAA approved revisions	Piper	PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150"
LIFT STRUT	AF-MA-A815	MA-A815	Identity per 14 CFR 21.303 STC SA02300AK Drawing No. AF-MA-A815 Rev: Orig. Dated: 8-28-07 or later FAA-approved revision.	Taylor-craft	A, BC, BCS12-D, BC12-D1, BC-65, BCS12-D1, BCS-65, BC12D-85, BC12-65, BCS12D-85, BCS12-65BC12D-4-85, BC12-D, BCS12D-4-85, BF, BFS, BF-60, BFS-60, BF-65, BFS12-65, BFS-65, BL, BLS, BL-65, BLS-65, BL12-65, BLS12-65, 19, F19, F21, F21A, F21B
LIFT STRUT	AF-MA-A854	MA-A854	Identity per 14 CFR 21.303 STC SA02300AK Drawing No. AF-MA-A854 Rev: Orig. Dated: 8-28-07 or later FAA-approved revision.	Taylor-craft	A, BC, BCS12-D, BC12-D1, BC-65, BCS12-D1, BCS-65, BC12D-85, BC12-65, BCS12D-85, BCS12-65BC12D-4-85, BC12-D, BCS12D-4-85, BF, BFS, BF-60, BFS-60, BF-65, BFS12-65, BFS-65, BL, BLS, BL-65, BLS-65, BL12-65, BLS12-65, 19, F19, F21, F21A, F21B
Clamp, Front Jury Strut	AF892	892	S Identity per 14 CFR 21.303 TC SA02300AK Drawing No. AF892 Rev: Orig. Dated: 9-28-07 or later FAA-approved revision.	Taylor-craft	A, BC, BCS12-D, BC12-D1, BC-65, BCS12-D1, BCS-65, BC12D-85, BC12-65, BCS12D-85, BCS12-65BC12D-4-85, BC12-D, BCS12D-4-85, BF, BFS, BF-60, BFS-60, BF-65,

PMA NO. PQ3848CE
 PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 01
 DATED: March 24, 2008

Part Name	Part Number	Approved Replacement	FAA Approval Basis and Approved Design Data	Eligibility MAKE	Eligibility MODEL
					BFS12-65, BFS-65, BL, BLS, BL-65, BLS-65, BL12-65, BLS12-65, 19, F19, F21, F21A, F21B

-----END OF LISTING-----

NOTE 1: * Denotes "Or later FAA Approved Revision."

NOTE 2: The procedures that are accepted by the type certificate or TSOA holder and their cognizant FAA Aircraft Certification Office, for minor changes to original parts used on type certificated products, are also acceptable for incorporating the same minor changes on identical FAA-PMA replacement parts. The FAA-PMA holder must show traceability to the TC, STC, or TSOA holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, submit all subsequent minor design changes to the PMA parts in a manner as determined by the ACO. TC, STC, or TSOA holder controls all major design changes to the drawing and specifications

FAA Approved:



Richard P. Warren
Manager, Minneapolis MIDO