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October 7, 2002

8.50X6 TIRES ON CESSNA 180 AND 185 AIRPLANES INSTALLATION INSTRUCTIONS K8.50-6

Instructions for installing 8.50X6 tires on Cessna 180 and 185 airplanes per Kenmore Air Harbor, Inc. S.T.C. SA361NW.

Note: Cessna 180 airplanes prior to serial number 18052011 and Cessna 185 airplanes prior to serial number 185-1471 and all models of airplanes equipped with Cleveland part number 40-75T wheels (six bolt) must have the Cleveland wheels and brakes installed and approved in accordance with Cleveland (Parker Hannifin) S.T.C. SA63GL. Cessna 180 airplanes serial number 18052011 and on, and Cessna 185 airplanes serial number 185-1471 and on with original Cleveland wheels must be equipped with Cleveland part number 40-75D wheels and part number 30-52N brake assemblies unless modified per S.T.C. SA63GL with part number 40-75T wheels. Cessna 180 airplanes serial number 18052285 and on, and Cessna 185 airplanes serial number 18502091 and on may be equipped with the original McCauley wheels identified by Cessna P/N C163004-0101 or P/N C163006-0102 and brakes P/N C163032-0207 (LH) and C163032-0208 (RH).

1. Hoist or jack aircraft and remove wheels in accordance with instructions outlined in the Cessna Maintenance Manual that applies to the specific airplane.

WARNING – Injury can result from attempting to separate wheel halves with tire inflated.
Avoid damaging wheel flanges when breaking tire beads loose.

2. Deflate tires, separate wheel halves, and remove tires in accordance with instructions outlined in the Cessna Maintenance Manual.
3. Install 8.50X6 inner tube in tire with balance marks in alignment and assemble wheel halves in accordance with instructions outlined in the Cessna Maintenance Manual or in accordance with instructions shown in Parker Hannifin S.T.C. SA63GL as applicable.

CAUTION – Uneven or improper torque of thru-bolts or cap screws may cause bolt failure, with resultant wheel failure.

4. Install wheel assemblies on aircraft in accordance with instructions outlined in Cessna Maintenance Manual or per instructions in S.T.C. SA63GL as applicable.

5. Inflate tire to seat beads, deflate, then reinflate to an adjusted pressure of 15 psi for Cessna 180 airplanes or 18 psi for Cessna 185 airplanes.
6. Complete Log Book entries as well as change to Equipment List and Weight and Balance Report. Complete FAA form 337 or equivalent. The following weights and arms apply for two tires and tubes:

Tires and Tubes	Weight	Arm
6.00X6 6 ply	21.0 lbs.	21.6 in.
8.00X6 6 ply	25.2 lbs.	21.6 in.
8.50X6 6ply	37.0 lbs.	21.6 in.

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

Number SA361NW

This certificate, issued to Kenmore Air Harbor, Inc.
P.O. Box 82064
Kenmore, WA 98028

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

Original Product—Type Certificate Number:

*See attached FAA Approved Model List (AML)

Make:

No. SA361NW for list of approved airplane models

Model:

and applicable airworthiness regulations

Description of the Type Design Change: Installation of large 8.50 x 6 tires on Cleveland Wheels or McCauley (Cessna) Wheels, in accordance with Kenmore Air Harbor Installation Instructions K.8.50-6, dated October 7, 2002 or later FAA approved revisions.

Limitations and Conditions: Approval of this change applies to the models listed on FAA Approved Model List No. SA361NW, and should not be extended to other specific models of these airplanes on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, AML SA361NW, dated November 12, 2002, and Installation Instructions K.8.50-6, dated October 7, 2002, or Later FAA approved revisions, 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 surrendered, suspended, revoked, or expiration date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: September 27, 1976

Date reissued:

Date of issuance: October 15, 1976

Date amended: April 28, 1980; October 25, 2002
November 12, 2002



By direction of the Administrator

(Signature)

Acting Manager, Seattle Aircraft
Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

FAA APPROVED MODEL LIST (AML) NO. SA361NW

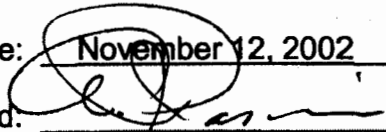
KENMORE AIR HARBOR, INC. for INSTALLATION OF TIRES

Issue Date: October 25, 2002

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA Approved Installation Instructions*		AML Amdt. Date
					Number	REV	
1	Cessna	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K	5A6	CAR 3 and TCDS 5A6	K8.50-6	Revision -, dated 10/7/2002	
2	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	3A24	CAR 3 and TCDS 3A24	K8.50-6	Revision -, dated 10/7/2002	11/12/02

* or later FAA Approved Revision

Amended Date: November 12, 2002

FAA Approved: 
Acting Manager, Seattle Aircraft
Certification Office