

Supplemental Type Certificate

Number SA02867NY

This certificate issued to LORD Corporation
2000 West Grandview Blvd
Errie, PA 16514-0039

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 23 of the Federal Aviation Regulations.

Original Product -- Type Certificate Number: A13CE
Make: Cessna Aircraft Company
Model: 177, 177A, and 177B

Description of Type Design Change:

Installation of the Lord Corporation Nose Wheel Shimmy Damper Part Number SE-1088-1 in accordance with Lord Corporation Installation Drawing List Document No. SE-1088-IDL, Revision IR, dated 4/22/2008 or later FAA approved revisions.

Limitations and Conditions:

1. Maintenance must be in accordance with Instructions for Continued Airworthiness (ICA) for Lord Se-1088-1 Shimmy Damper installed on Cessna 177 Aircraft Models, Lord Bulletin No. SM-6526, Revision A, dated 2/19/2009 or later FAA accepted revisions.
2. The installer must determine whether this design change is compatible with previously approved modifications.
3. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

(See Continuation Sheet 2 of 2)

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: March 11, 2007

Date of issuance: December 21, 2010

Date reissued:

Date amended:

By direction of the Administrator



(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

Supplemental Type Certificate

(Continuation Sheet)

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Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, for non-significant changes to type design, the certification basis elected by the STC holder for the modification to the Cessna 177 series aircraft modified by this change is as follows:

- a. The type certification basis for Cessna 177 series airplanes is shown on TCDS A13CE for parts **not changed or not affected** by the change.
- b. The certification basis for **parts changed or affected** by the change since the reference date of application, March 11, 2007, is based upon part 23 as amended by Amendment 23-55. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for non-significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be as shown in the TCDS A13CE except the regulations listed below:

Section	Title	Amendment
§23.233	Directional Stability and Control	23-50
§23.301	Loads	23-48
§23.305	Strength and Deformation	23-45
§23.603	Materials and Workmanship	23-23
§23.605	Fabrication Methods	23-23
§23.607	Fasteners	23-48
§23.611	Accessibility [Provisions]	23-48
§23.613	Material Strength Properties and Material Design Values	23-45
§23.1301	Function and Installation	23-49
§23.1309	Equipment, Systems, and Installations	23-49
§25.1529	Instructions for Continued Airworthiness	23-26

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