

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

Number: SA02271AK-D

This Certificate issued to: Aero Twin, Inc.
2403 Merrill Field Drive
Anchorage, Alaska 99501

Certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product Type Certificate: A37CE

Make: Cessna

Model: 208, 208A, and 208B

Description of Type Design Change:

Fabrication and Installation of Aero Twin, Inc. Nose Gear Gravel Deflector Kit No. NGD8-100 for Cessna 208, 208A, and 208B aircraft in accordance with Aero Twin, Inc. Master Data List No. NGD8-MDL, dated: November 2, 2006, or later FAA/DAS approved revision.

Limitations & Conditions:

Compatibility of this design change with previously approved modifications must be determined by the installer. A copy of this Certificate, or later FAA/DAS 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. FAA/DAS approved Airplane Flight Manual Supplement NGD8-AFMS dated May 23, 2006, or later FAA/DAS approved revision, and FAA approved Instructions for Continued Airworthiness, NGD8-ICA, dated October 26, 2006, or later approved revision, are required parts of this installation.

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

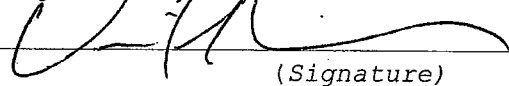
Date of application: April 26, 2006

Date of issuance: November 2, 2006

Date reissued:

Date amended:

By direction of the Administrator


(Signature)

Vincent A. Cestnik
DAS Director of Operations
Aero Twin, Inc. DAS-01-AK

(Title)



Aero Twin, Inc.
2403 Merrill Field Drive
Anchorage, Alaska 99501
(907) 274-6166

NGD8-AFMS
Aero Twin Nose Gear Gravel Deflector P/N NGD8-100

SECTION 8

HANDLING, SERVICE & MAINTENANCE

INSPECTION PERIODS: FAA required inspection and maintenance schedules for the Aero Twin, Inc. Nose Gear Gravel Deflector are described in the FAA approved Airworthiness Limitations section of the Instructions for Continued Airworthiness for the gravel deflector, Document Number NGD8-ICA. That document must be maintained with the basic aircraft maintenance manuals.

SECTION 9

SUPPLEMENTS

This Airplane Flight Manual Supplement must be included in the airplane with the basic Cessna Pilot's Operating Handbook and FAA Approved Flight Manual when Aero Twin, Inc.'s Nose Gear Gravel Deflector is installed in accordance with this STC.

END

Aero Twin, Inc.
2403 Merrill Field Drive
Anchorage, Alaska 99501
(907) 274-6166

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

for
CESSNA MODEL 208, 208A, & 208B

Aero Twin, Inc. Nose Gear Gravel Deflector Kit No. NGD8-100

Doc. No. NGD8-AFMS

Registration No. _____

Serial No. _____

This Supplement must be attached to the Cessna Aircraft Company Pilot's Operating Handbook and FAA Approved Flight Manual for Cessna Model 208, 208A, or 208B when the airplane has Aero Twin, Inc.'s Nose Gear Gravel Deflector (P/N NGD8-100) in accordance with Supplemental Type Certificate (STC) No. SA02271AK-D. The Cessna Pilot's Operating Handbook and FAA Approved Flight Manual for Cessna Model 208, 208A, and 208B are identified as follows:

Model	Serial Numbers	POH/AFM P/N
208	20800001 through 20800060	D1286-13PH
208	20800061 and up	D1307-13PH
208A	20800007 and up	D1287-13PH
208B	208B0001 and up (600 hp)	D1309-13PH
208B	208B0179, 208B0230 and up, and A/C modified by SKC208-80 (675 hp)	D1329-13PH

The information contained herein supplements or supersedes the information of the basic Pilot's Operating Handbook and FAA Approved Flight Manual only in those areas listed herein. For limitations, procedures, and performance information not contained in this Supplement, consult the basic Pilot's Operating Handbook and FAA Approved Flight Manual.

FAA/DAS Approved:


DAS Flight Test Pilot, Aero Twin, Inc.
Designated Alteration Station DAS-01-AK
Anchorage, Alaska


DAS Administrator, Aero Twin, Inc.
Designated Alteration Station DAS-01-AK
Anchorage, Alaska

LOG OF REVISIONS

LOG OF REVISIONS			
REVISIONS		PAGES REVISED AND DESCRIPTION OF REVISIONS	APPROVAL SIGNATURE
NO.	DATE		
-	5/23/06	Original Issue	--

SECTION 1

GENERAL

Aero Twin, Inc. Gravel Deflector: This airplane is modified to incorporate Aero Twin, Inc.'s P/N NGD8-100 nose gear gravel deflector. This rugged gravel deflector provides protection to the aircraft belly and propeller from rock damage originating from the nose wheel.

SECTION 2

LIMITATIONS

SECTION 8

**EMERGENCY PROCEDURES
UNCHANGED**

SECTION 4

NORMAL PROCEDURES

PREFLIGHT INSPECTION (NOSE Section):

Nose Gear Gravel Deflector – CHECK for condition. Inspect attachment to the nose gear fork and attachment of rubber mud flap and tire scraper to gravel deflector structure. Inspect rubber parts and nose gear fork for wear.

SECTION 5

**PERFORMANCE
UNCHANGED**

SECTION 8

WEIGHT AND BALANCE / EQUIPMENT LIST
UNCHANGED

SECTION 7

AIRPLANE & SYSTEMS DESCRIPTION

Nose Gear Gravel Deflector: Aero Twin, Inc. nose gear gravel deflector has been installed on this aircraft. The gravel deflector helps to protect the aircraft belly and propeller from rock damage originating from the nose wheel.