

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

Number SA3498NM

This certificate, issued to

Ontic Engineering and Manufacturing
20400 Plummer Street
Chatsworth, CA 91311

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 25 of the Federal Aviation Regulations.

Original Product Type Certificate Number: A16WE

Make: The Boeing Company

Model: 737-100, -200, -300, -400, & -500

Description of the Type Design Change:

Installation of Smith Aerospace fuel quantity gauge system in Boeing 737 aircraft as presented on Page 2 of this document.

Limitations and Conditions:

1. FAA approved Aircraft Flight manual Supplemental as presented on Page 2 of this document.
2. Instructions for Continued Airworthiness, Chapter 28, Fuel, Document Number O191-ED Rev B dated November 20, 2003, is required for modification on Boeing 100/200/300/400/500 that includes the Smith Industries Transient Suppression Unit (TSU) (ONLY for 0027-ED, Rev K Configurations 6 through 17 and 0043-ED Rev B Configurations 49 through 93).
3. The approval of this change in type design applies to the above listed aircraft models. This approval should not be extended to aircraft of these models that incorporate any other previously approved modifications unless it is determined that the interrelationship between this change and any other modification will introduce no adverse effect on the airworthiness of these aircraft. A copy of this STC must be included in the permanent records of the modified aircraft.
4. 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.

(Sec Continuation Sheet 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: September 29, 1987

Date reissued: January 27, 2012; November 5, 2013

Date of issuance: December 18, 1987

Date amended: February 17, 1989; April 19, 1994;
June 10, 2004; June 18, 2007



By direction of the Administrator

(Signature)

Steven L. Lardinois
Manager, Systems and Flight Test Branch
Chicago Aircraft Certification Office

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

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Supplemental Type Certificate

(Continuation Sheet)

Number SA3498NM

Date of Amendment: June 18, 2007

Description of the Type Design Change (continued):

Aircraft Model	Drawing List/ Rev./ Date*	Flight Manual Supplement / Rev./ Date*
737-100/-200	0013-ED/ Rev. "P"/ dated 12/23/02	0042-ED/ Rev. "C"/ dated 7/19/02
737-300/-400/-500	0027-ED/ Rev. "L"/ dated 6/07/07 configurations - I to - 15	0030-ED/ Rev. "A"/ dated 6/07/07
737-400 (with Rogerson Aux fuel Tank and Smiths Fuel Gauging System)	0027-ED/Rev. "K"/ dated 2/25/04, configurations -16 and - 17	0187-ED/ Rev. "A"/ dated 6/10/04

•or later FAA approved Revision

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