

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

*Number* SA02752AT

*This certificate issued to*

Air Repair, Inc.  
920 Airport Road  
Cleveland, MS 38732

*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 Number:*

A17SW, A19SW, A4SW

*Make:*

Air Tractor Inc.; Thrush Aircraft, Inc.

*Model:*

Thrush S2R-G1, S2R-G6, S2R-G10, S2R-T11, S2R-T15, S2R-T34, S2R-T45, S2R-T65, S2R-T660  
Air Tractor AT-402, AT-502, AT-602, AT-802

*Description of Type Design Change:* Installation of the E-Tec ET-107 System that uses a sequential 24V to 48V Fast Start in order to reduce turbine exhaust gas temperatures (EGT) during engine starts per the latest FAA approved revisions of the applicable Master Data List shown for each aircraft model on the table below (see sheet 3).

*Limitations and Conditions:* "The Fast Start System is limited to ground starts only. The latest FAA approved revisions of the applicable Flight Manual Supplement shown for each aircraft model on the table below (see sheet 3) or latter FAA approved revisions, is part of this STC. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. 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."

(See continuation sheet 3 of 3)

*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:* June 11, 2002

*Date reissued:* June 28, 2007; November 23, 2010

*Date of issuance:* October 31, 2003

*Date amended:* September 14, 2005; May 04, 2012



*By direction of the Administrator*

(Signature)

Melvin D. Taylor  
Manager  
Atlanta 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.

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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SA02752AT

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# Supplemental Type Certificate

(Continuation Sheet)

*Number* SA02752AT

Date of Issuance: October 31, 2003

Date Amended: May 04, 2012

*Limitations and Conditions* (Continued):

TCDS	Make	Model	Engine	AFMS/Rev/Date *	MDL/Rev.Date *
A4SW	Thrush	S2R-G1	Garrett TPE331	AL03R-009, Rev-A May 4, 2012	AL03R-001, Rev D, Feb 13, 2012
A4SW	Thrush	S2R-G6	Garrett TPE331	AL03R-009 Rev-IR, Oct 30, 2003	AL03R-001, Rev-IR, May 7, 2003
A4SW	Thrush	S2R-G10	Garrett TPE331	AL03R-009, Rev-A, May 4, 2012	AL03R-001, Rev-D, Feb 13, 2012
A4SW	Thrush	S2R-T11	P&W PT6A	AL03R-010, Rev-A, May 4, 2012	AL03R-001, Rev-D, Feb 13, 2012
A4SW	Thrush	S2R-T15	P&W PT6A	AL03R-010, Rev-A, May 4, 2012	AL03R-001, Rev-D, Feb 13, 2012
A4SW	Thrush	S2R-T34	P&W PT6A	AL03R-010, Rev-IR, Oct 30, 2003	AL03R-001, Rev-IR, May 7, 2003
A4SW	Thrush	S2R-T45	P&W PT6A	AL03R-010, Rev-A, May 4, 2012	AL03R-001, Rev-D, Feb 13, 2012
A4SW	Thrush	S2R-T65	P&W PT6A	AL03R-010, Rev-A, May 4, 2012	AL03R-001, Rev-D, Feb 13, 2012
A4SW	Thrush	S2R-T660	P&W PT6A	AL03R-010, Rev-IR Oct 30, 2003	AL03R-001, Rev-IR, May 7, 2003
A17SW	Air Tractor	AT-402	P&W PT6A	AL03R-020, Rev-A, May 4, 2012	AL03R-012, Rev-F, Mar 10, 2012
A17SW	Air Tractor	AT-502	P&W PT6A	AL03R-020, Rev-IR, Oct 1, 2004	AL03R-012, Rev-IR, Dec 3, 2003
A19SW	Air Tractor	AT-602	P&W PT6A	AL03R-020, Rev-IR, Oct 1, 2004	AL03R-012, Rev-IR, Dec 3, 2003
A17SW	Air Tractor	AT-802	P&W PT6A	AL03R-020, Rev-IR, Oct 1, 2004	AL03R-012, Rev-IR, Dec 3, 2003

\* Or later FAA approved revision

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