

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

*Number* SB00078AT

*This certificate issued to* JR Aerosports, Ltd.  
850 Meacham Road  
Statesville, NC 28677

*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 31 of the Federal Aviation Regulations.*

*Original Product - Type Certificate Number :* A10NM and A14SO

*Make :* JR Aerosports, Ltd. (Sundance Balloons (US)) (Dawson Property Group LLC) (Galaxy Balloons and Balloon Works)

*Model :* (See continuation sheet 2 of 3)

*Description of Type Design Change:* Installation of the Thunder & Colt carriage assemblies under Firefly balloon envelopes in accordance with The Balloon Works Drawing A215A, Rev. New, dated 11/8/96, and installation of the Thunder & Colt carriage assemblies under Galaxy balloon envelopes in accordance with Galaxy Balloons Drawing A1G203A, Rev. New, dated 11/8/96

(See continuation sheet 2 of 3)

*Limitations and Conditions:* This approval should not be extended to other balloons 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 balloons. 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 2 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 :* November 23, 1992

*Date of issuance :* January 19, 1993

*Date reissued :* June 24, 2005 (Reissued to Dawson Property Group LLC); June 29, 2006 (Reissued to Sundance Balloons (US)); August 11, 2009 (address change); September 16, 2010 (Reissued to JR Aerosports, Ltd.)

*Date amended :* February 3, 1995; February 21, 1996; April 15, 1996; November 8, 1996; and June 15, 1999

*By direction of the Administrator*

  
(Signature)

Melvin D. Taylor  
Manager, Atlanta 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.

United States of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SB00078AT

Date of Issuance: January 19, 1993

Date Amended: February 3, 1995; February 21, 1996; April 15, 1996; November 8, 1996; and June 15, 1999  
Date reissued: June 24, 2005 (Reissued to Dawson Property Group LLC); June 29, 2006 (Reissued to Sundance Balloons (US));  
August 11, 2009 (address change); September 16, 2010 (Reissued to JR Aerosports, Ltd.)

*Models* (Continued):

Firefly 7B-15, Firefly 7-15, Firefly 8B-15,  
Firefly 8, Firefly 9B-15, Firefly 9, Firefly 10,  
Firefly 11, and Firefly 11B for A14SO and  
Galaxy 7B, Galaxy 7, Galaxy 8B,  
Galaxy 8, Galaxy 9B, Galaxy 9,  
Galaxy 10, Galaxy 11, and Galaxy 11B for A10NM

*Description of Type Design Change* (Continued):

Installation of the Thunder & Colt carriage assemblies under Firefly 11B ball envelope in accordance with The Balloon Works Drawing A215B, dated 4/15/99, and installation of the Thunder & Colt carriage assemblies under Galaxy 11B balloon envelopes in accordance with Galaxy Balloons Drawing A1G203B, dated 4/15/99.

*Limitations and Conditions* (Continued):

The carriage is considered to include the basket, burner, tanks, instruments, and associated hardware.

An FAA approved Balloon Flight Manual Supplement dated April 15, 1996, or later FAA approved revision, is a required part of this STC for installation of the Thunder & Colt Model 40x54, 40x60, 48x48, and 48x68 Swept and Flat Top; 48x68, 48x82, 48x87, 60x87, and 60x102 T-Partition; and 60x98, 60x118, 60x126, and 60x138 Double T-Partition carriage assemblies under the Firefly Models 9B-15, 9, and 10 balloon envelopes and the Thunder & Colt Model 40x60, and 48x68 Swept and Flat Top; 48x68, 48x82, 60x87, and 60x102 T-Partition; and 60x98, 60x118, 60x126, and 60x138 Double T-Partition carriage assemblies under the Firefly model 11 balloon envelopes and installation of the Thunder & Colt Model 40x54, 40x60, 48x48, and 48x68 Swept and Flat Top; 48x68, 48x82, 48x87, 60x87 and 60x102 T-Partition; and 60x98, 60x118, 60x126, and 60x138 Double T-Partition carriage assemblies under the Galaxy models 9B, 9 and 10 balloon envelopes and the Thunder & Colt Model 40x60, and 48x68 Swept and Flat Top, 48x68, 48x82, 60x87, and 60x102 T-Partition; and 60x98, 60x118, 60x126, and 60x138 Double T-Partition carriage assemblies under the Galaxy model 11 balloon envelopes.

An FAA approved Balloon Flight manual Supplement dated November 8, 1996, or later FAA approved revision, is a required part of this STC for installation of the Thunder & Colt 40x40 Swept and Flat Top carriage assemblies under the Firefly 7B-15, 7-15, 8B-15, and the Galaxy 7B, 7, 8B balloon envelopes, and the 40x48, 40x54, 40x60, and 48x48 Swept and Flat Top carriage assemblies under the Firefly 7-15, 8B-15, and 8 and the Galaxy 7, 8B, and 8 balloon envelopes; and the 48x68 Swept, Flat Top and T-Partition carriage assemblies under the Firefly 7B-15, 7-15, 8B-15, and 8 and the Galaxy 7B, 7, 8B, and 8 balloon envelopes; and the 48x82, 48x87, and 60x87 T-Partition carriage assemblies under the Firefly 8 and the Galaxy 8 balloon envelopes.

An FAA approved Balloon Flight Manual Supplement dated June 15, 1999, or later FAA approved revision, is a required part of this STC for installation of the Thunder & Colt Model 40x54, 40x60, 48x48, and 48x68 Swept and Flat Top; 48x68, 48x82, 48x87, 60x87, and 60x102 T-Partition; and 60x98, 60x118, 60x126, and 60x138 Double T-Partition carriage assemblies under the Firefly Model 11B or the Galaxy Model 11B.

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

United States of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SB00078AT

Date of Issuance: January 19, 1993

Date Amended: February 3, 1995; February 21, 1996; April 15, 1996; November 8, 1996; and June 15, 1999  
Date reissued: June 24, 2005 (Reissued to Dawson Property Group LLC); June 29, 2006 (Reissued to Sundance Balloons (US));  
August 11, 2009 (address change); September 16, 2010 (Reissued to JR Aerosports, Ltd.)

*Limitations and Conditions* (Continued):

The maintenance and determination of airworthiness of the basket, burner, instruments and fuel system must be in accordance with the Thunder & Colt Maintenance Instructions.

The maintenance and determination of airworthiness of the envelope must be in accordance with The Balloon Works Inc. Maintenance and Repair Manual, or with the Galaxy Balloons Repair and Maintenance Manual, as appropriate.

Any service bulletin or Airworthiness Directive issued by Thunder & Colt which involves any part used on this balloon shall be considered mandatory for compliance on this balloon according to the same terms that it is required for compliance on a Thunder & Colt balloon. Thunder & Colt airworthiness directives and service bulletins applying to the envelope are not applicable to this balloon.

-END-

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