Carlisle Donald R Form 4 June 17, 2009

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB Number: 3235-0287

Expires: January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Carlisle Donald R			2. Issuer Name and Ticker or Trading Symbol Spirit AeroSystems Holdings, Inc.					5. Relationship of Reporting Person(s) to Issuer				
			[SPR]					(Check all applicable)				
(Last)	(First)	(Month/D	3. Date of Earliest Transaction (Month/Day/Year)					Director 10% Owner Selficer (give title Other (specify below)				
3330 N. MINGO ROAD			06/16/2	06/16/2009					VP Business Development			
(Street)				4. If Amendment, Date Original					6. Individual or Joint/Group Filing(Check			
	Filed(Moi	Filed(Month/Day/Year)					Applicable Line) _X_ Form filed by One Reporting Person					
TULSA, OK 74116								Form filed by More than One Reporting Person				
(City)	(State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								ly Owned			
1.Title of Security (Instr. 3)		2. Transaction Date 2A. Deem Execution any (Month/Day			n Date, if Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) Day/Year) (Instr. 8)				5. Amount of Securities Form: Direct Ind Beneficially (D) or Beneficially (Indirect (I) Owned Indirect (I) (In Reported)			
				Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)				
Class A Common Stock	06/16/2009			С	6,321	A	<u>(4)</u>	37,292	D			
Class A Common Stock	06/16/2009			S	6,321 (1)	D	\$ 14.47 (5)	30,971	D			

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474

(9-02)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transac Code (Instr. 8	tionof Se) A (A D (I	Number f Derivative ecurities acquired A) or bisposed of D) (nstr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8 I S (
				Code V	V (A	A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Class B Common Stock	<u>(2)</u>	06/16/2009		C		6,321	06/15/2009	(3)	Class A Common Stock	6,321	

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Carlisle Donald R 3330 N. MINGO ROAD TULSA, OK 74116

VP Business Development

Signatures

/s/ Jonathan A. Greenberg, as attorney-in-fact for Donald R. Carlisle

06/17/2009

8. Property Section (Institute 1)

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Constitutes shares sold solely to satisfy the filer's tax obligations under the issuer's Executive Incentive Plan ("EIP") (as generally described in the issuer's Form 8-K filed on October 22, 2008).
- (2) Upon vesting, each share of Class B common stock, par value \$0.01, of the issuer (the "Class B Common Stock") is convertible at any time, at the option of the holder, into one share of Class A common stock, par value \$0.01, of the issuer (the "Class A Common Stock").
- (3) No expiration.
- (4) Conversion without consideration.

The price reported reflects a weighted average price. This transaction was executed in multiple trades at prices ranging from \$14.25 to

(5) \$14.90. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer, or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2