Carlisle Donald R Form 4 February 12, 2009

## FORM 4

#### **OMB APPROVAL**

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** 

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction

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. [SPR] | 5. Relationship of Reporting Person(s) to<br>Issuer  (Check all applicable)   |  |  |
|---|-----------------|----------|---|---|--|--|
| (Last)<br>3330 N. MINO                                      | (First) GO ROAD | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 02/10/2009                         | Director 10% Owner Some of the property of the control of the property of the control of the c |  |  |
| THE CALOUX  | (Street)        |          | 4. If Amendment, Date Original Filed(Month/Day/Year)                                | <ul> <li>6. Individual or Joint/Group Filing(Check</li> <li>Applicable Line)</li> <li>_X_ Form filed by One Reporting Person</li> <li>_ Form filed by More than One Reporting</li> </ul>  |  |  |
| TULSA, OK   | /4116           |          |   | Person  |  |  |

| (City) | (State) | (Zip) | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |
|--------|---------|-------|--|
|--------|---------|-------|--|

| 1.Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3.<br>Transacti<br>Code<br>(Instr. 8) | onAcquired<br>Disposed | 4. Securities nAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |       | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--------------------------------------|---|---|---------------------------------------|------------------------|--|-------|--|--|---|
|                                      |   |   | Code V                                | Amount                 | (A)<br>or<br>(D)   | Price | Reported<br>Transaction(s)<br>(Instr. 3 and 4)                   |  | , , , ,   |
| Class A Common Stock                 | 02/10/2009                              |   | A                                     | 6,133<br>(1)           | A  | \$ 0  | 13,834 (2)   | D  |   |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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| 1. Title of | 2.          | 3. Transaction Date | 3A. Deemed         | 4.         | 5.         | 6. Date Exerc | cisable and | 7. Title | e and    | 8. Price of | 9. Nu  |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|-------------|----------|----------|-------------|--------|
| Derivative  | Conversion  | (Month/Day/Year)    | Execution Date, if | Transacti  | orNumber   | Expiration D  | ate         | Amou     | nt of    | Derivative  | Deriv  |
| Security    | or Exercise |                     | any                | Code       | of         | (Month/Day/   | Year)       | Under    | lying    | Security    | Secui  |
| (Instr. 3)  | Price of    |                     | (Month/Day/Year)   | (Instr. 8) | Derivative | e             |             | Securi   | ties     | (Instr. 5)  | Bene   |
|             | Derivative  |                     |                    |            | Securities |               |             | (Instr.  | 3 and 4) |             | Owne   |
|             | Security    |                     |                    |            | Acquired   |               |             |          |          |             | Follo  |
|             | ·           |                     |                    |            | (A) or     |               |             |          |          |             | Repo   |
|             |             |                     |                    |            | Disposed   |               |             |          |          |             | Trans  |
|             |             |                     |                    |            | of (D)     |               |             |          |          |             | (Instr |
|             |             |                     |                    |            | (Instr. 3, |               |             |          |          |             | `      |
|             |             |                     |                    |            | 4, and 5)  |               |             |          |          |             |        |
|             |             |                     |                    |            | , ,        |               |             |          |          |             |        |
|             |             |                     |                    |            |            |               |             |          | Amount   |             |        |
|             |             |                     |                    |            |            | Date          | Expiration  |          | or       |             |        |
|             |             |                     |                    |            |            | Exercisable   | Date        | Title    | Number   |             |        |
|             |             |                     |                    |            |            | Lacicisable   | Date        |          | of       |             |        |
|             |             |                     |                    | Code V     | (A) (D)    |               |             |          | Shares   |             |        |

# **Reporting Owners**

| Reporting Owner Name / Address                             | Relationships |           |                    |       |  |  |  |  |
|--|---------------|-----------|--------------------|-------|--|--|--|--|
| <b>F</b>   | Director      | 10% Owner | Officer            | Other |  |  |  |  |
| Carlisle Donald R<br>3330 N. MINGO ROAD<br>TULSA, OK 74116 |               |           | V.P./G.M.<br>Tulsa |       |  |  |  |  |

# **Signatures**

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

Carlisle

02/12/2009

\*\*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) This Class A Common Stock will vest on February 20, 2010, if the recipient of such shares continues to be employed by the issuer or any of its subsidiaries at that time.

Includes a restricted stock award of 7,701 shares that will vest annually at a rate of 33% beginning May 5, 2011 if the recipient of such shares continues to be employed by the issuer or any of its subsidiaries on each annual vesting date. If the recipient acquires an interest in

(2) all shares granted under the issuer's Executive Incentive Plan before 2010, these restricted shares will vest annually at a rate of 33% beginning May 5, 2010 if the recipient of such shares continues to be employed by the issuer or any of its subsidiaries on each annual vesting date.

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.

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