

Davis D Randolph
 Form 4
 February 26, 2009

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Davis D Randolph

2. Issuer Name and Ticker or Trading Symbol
 Spirit AeroSystems Holdings, Inc.
 [SPR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 02/24/2009

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Corporate Controller

C/O SPIRIT AEROSYSTEMS HOLDINGS, INC., 3801 SOUTH OLIVER

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

WICHITA, KS 67210

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | | (A) or (D) | Price | | |
| Class A Common Stock | 02/24/2009 | | C | 618 | A (3) 9,752 (5) (6) | D | |
| Class A Common Stock | 02/24/2009 | | S | 618 | D \$ 11.07 9,134 (5) (6) | D | |

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

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liability under applicable law with respect to the shares, but for this purpose only to the extent that the shares are to be sold to pay a participant's withholding tax liability (as generally described in the issuer's Form 8-K filed on October 22, 2008).

- (5) Includes 4,139 shares of Class A Common Stock which 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.

- (6) Includes a restricted stock award of 4,995 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 all shares granted under the issuer's EIP 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.

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