

Pilla John A  
 Form 4  
 February 12, 2009

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

OMB APPROVAL  
 OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
 Pilla John A

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

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 \_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 SVP, Chief Technology Officer

(Last) (First) (Middle)  
 C/O SPIRIT AEROSYSTEMS  
 HOLDINGS, INC., 3801 SOUTH  
 OLIVER

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 02/10/2009

(Street)  
 WICHITA, KS 67210

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

(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)
			Code	V	Amount (A) or (D) Price		
Class A Common Stock	02/10/2009		A		6,630 (1) \$ 0	16,343 (2)	D

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

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 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. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Transaction (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director    10% Owner    Officer    Other

Pilla John A  
C/O SPIRIT AEROSYSTEMS HOLDINGS, INC.  
3801 SOUTH OLIVER  
WICHITA, KS 67210

SVP, Chief Technology Officer

## Signatures

/s/ Jonathan A. Greenberg, as attorney-in-fact for John A. Pilla

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 9,713 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.

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