

Spirit AeroSystems Holdings, Inc.
 Form 4
 May 30, 2007

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 *
Mersky Seth

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)
161 BAY STREET, 49TH FLOOR
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/25/2007

Director 10% Owner
 Officer (give title below) Other (specify below)

TORONTO, A6 M5J2S1
 (City) (State) (Zip)

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

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 | | | |
| | | | | Code | V | Amount | (D) | Price |

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

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SEC 1474 (9-02)

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

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. De |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|-------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|-------|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | | | | | | | | |
|----------------------|------------------------------|------------------|---|------|---|--------|-----|------------------|-----------------|----------------------|--|----------------------------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | | Amount or Number of Shares |
| Class B Common Stock | ① | 05/25/2007 | | S | | 31,267 | | 05/25/2007 | ② | Class A Common Stock | | 31,267 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Mersky Seth 161 BAY STREET, 49TH FLOOR TORONTO, A6 M5J2S1 | | | X | |

Signatures

/s/ Gloria Farha Flentje, as attorney-in-fact for Seth Mersky 05/30/2007

__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) 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").
 - (2) No expiration.
 - (3) Includes (i) a portion of the shares beneficially owned by Onex Partners LP which may be deemed beneficially owned by Mr. Mersky by reason of his pecuniary interest in Onex Partners LP, (ii) a portion of the shares beneficially owned by Onex Spirit Co-Invest LP which may be deemed beneficially owned by Mr. Mersky by reason of his pecuniary interest in Onex Spirit Co-Invest LP, and (iii) a portion of the shares beneficially owned by Onex U.S. Principals LP in which Mr. Mersky has acquired a pecuniary interest pursuant to Onex Corporation's management incentive plans. The inclusion of such shares in this report shall not be deemed an admission of beneficial ownership of all of the reported shares for purposes of Section 16 or for any other purpose.

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.