

Spirit AeroSystems Holdings, Inc.
 Form 3
 November 20, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Mersky Seth | | 11/20/2006 | Spirit AeroSystems Holdings, Inc. [SPR] | |
| (Last) | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| 161 BAY STREET, 49TH FLOOR | | | (Check all applicable) | |
| (Street) | | | <input checked="" type="checkbox"/> Director | <input type="checkbox"/> 10% Owner |
| TORONTO, A6 A M5J2S1 | | | <input type="checkbox"/> Officer | <input type="checkbox"/> Other |
| (City) | (State) | (Zip) | (give title below) | (specify below) |
| | | | 6. Individual or Joint/Group Filing(Check Applicable Line) | |
| | | | <input checked="" type="checkbox"/> Form filed by One Reporting Person | |
| | | | <input type="checkbox"/> Form filed by More than One Reporting Person | |

Table I - Non-Derivative Securities Beneficially Owned

| | | | |
|------------------------------------|--|---|--|
| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|------------------------------------|--|---|--|

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

SEC 1473 (7-02)

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

| | | | | | |
|---|---|--|--|--|--|
| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |

(Instr. 5)

| | | | | | | | |
|-------------------------------------|------------|------------------|----------------------------|---------|-------------------|---|-----------------------------|
| Class B Common Stock ⁽¹⁾ | 11/20/2006 | Â ⁽²⁾ | Class A Common Stock | 162,487 | \$ ⁽³⁾ | I | See footnote ⁽⁴⁾ |
|-------------------------------------|------------|------------------|----------------------------|---------|-------------------|---|-----------------------------|

Reporting Owners

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

Signatures

/s/ Seth Mersky 11/20/2006

 Signature of
Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Convertible on a one-for-one basis.
Includes (i) 88,605 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) 31,905 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) 41,977 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.