

Henderson Robert S
 Form 4
 May 25, 2012

FORM 4

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

OMB APPROVAL

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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 *
 Henderson Robert S

2. Issuer Name and Ticker or Trading Symbol
 TransDigm Group INC [TDG]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 ADELWIGGINS GROUP, 5000 TRIGGS STREET

3. Date of Earliest Transaction (Month/Day/Year)
 05/24/2012

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Exec. V.P.

(Street)
 LOS ANGELES, CA 90022

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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount | (D) | Price |
| Common Stock | 05/24/2012 | | M | | 6,400 | A | \$ 6.68 |
| Common Stock | 05/24/2012 | | S | | 3,483 | D | \$ 123.6197 |
| Common Stock | 05/24/2012 | | S | | 2,417 | D | \$ 124.9111 |
| Common Stock | 05/24/2012 | | S | | 500 | D | \$ 125.6444 |

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

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(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 (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. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Option | \$ 6.68 | 05/24/2012 | | M | 4,984 | 09/30/2004 08/05/2013 | Common Stock | 4,984 |
| Stock Option | \$ 6.68 | 05/24/2012 | | M | 1,416 | 08/05/2003 08/05/2013 | Common Stock | 1,416 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-----------|-------|
| | Director | 10% Owner | Officer | Other |
| Henderson Robert S ADELWIGGINS GROUP 5000 TRIGGS STREET LOS ANGELES, CA 90022 | | | Exec.V.P. | |

Signatures

Halle Fine Terrion as attorney in fact for Robert Henderson 05/25/2012

__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).

Price reported constitutes the average weighted price of shares sold. Shares were sold at varying prices in the range of \$123.27 - \$124.23.

(1) The reporting person hereby undertakes, upon request of the Commission, the issuer or a security holder of the issuer, to provide full information regarding the number of shares sold at each separate price.

(2)

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Price reported constitutes the average weighted price of shares sold. Shares were sold at varying prices in the range of \$124.43 - \$125.42. The reporting person hereby undertakes, upon request of the Commission, the issuer or a security holder of the issuer, to provide full information regarding the number of shares sold at each separate price.

- Price reported constitutes the average weighted price of shares sold. Shares were sold at varying prices in the range of \$125.46 - \$125.79.
- (3) The reporting person hereby undertakes, upon request of the Commission, the issuer or a security holder of the issuer, to provide full information regarding the number of shares sold at each separate price.

Remarks:

All transactions reported hereunder made pursuant to an established 10b5-1 plan.

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.