

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <b>BARR DAVID</b>  (Last) (First) (Middle) <b>450 LEXINGTON AVENUE</b>  (Street) <b>NY NY 10017</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>TransDigm Group INC [ TDG ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <b>09/08/2009</b>	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> 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	(A) or (D)	Price			
Common Stock, par value \$0.01 per share <sup>(1)</sup>	09/08/2009		S		5,426	D	\$44.4601 <sup>(1)</sup>	10,852	I	See footnote <sup>(1)</sup>
Common Stock, par value \$0.01 per share <sup>(1)</sup>	09/09/2009		S		5,426	D	\$44.939 <sup>(1)</sup>	5,426	I	See footnote <sup>(1)</sup>
Common Stock, par value \$0.01 per share <sup>(1)</sup>	09/10/2009		S		5,426	D	\$45.2427 <sup>(1)</sup>	0	I	See footnote <sup>(1)</sup>
Common Stock, par value \$0.01 per share <sup>(2)</sup>	09/22/2009		A <sup>(2)</sup>		324	A	\$46.22 <sup>(2)</sup>	324	D	
Common Stock, par value \$0.01 per share <sup>(3)</sup>								2,778	D	
Common Stock, par value \$0.01 per share								31,281	D	
Common Stock (restricted), par value \$0.01 per share <sup>(4)</sup>								787	D	

**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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Stock Options (right to buy) <sup>(5)</sup>	\$27.08							09/30/2009 <sup>(5)</sup>	11/17/2018	Common Stock	15,900	15,900	D	

**Explanation of Responses:**

- See Exhibit 99.1.
- Receipt of stock in lieu of payment of semi-annual director fee, based on fair market value in accordance with the 2006 Stock Incentive Plan.
- Receipt of stock in lieu of payment of semi-annual director fee, based on fair market value in accordance with the 2006 Stock Incentive Plan.
- Receipt of stock in respect of annual grant of restricted stock to directors with the number of shares determined based on the fair market value of the stock on the date of grant. Subject to forfeiture; forfeiture provisions lapse as to one-third of the stock on each of the first, second and third anniversaries of the date of grant.
- Vest based on the achievement of annual and cumulative per share operating performance targets between fiscal 2009 and fiscal 2013.

/s/ David Barr

09/23/2009

\*\* Signature of Reporting Person

Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

**Explanation of Responses**

Prior to the transactions reported herein, TD Group Holdings, LLC (“TD LLC”) owned an aggregate of 16,278 shares of common stock (the “Common Stock”), par value \$0.01 per share, of TransDigm Group Incorporated (the “Company”). From September 8, 2009 through September 10, 2009, TD LLC sold an aggregate of 16,278 shares of Common Stock in transactions effected pursuant to Rule 144 of the Securities Act of 1933, as amended. As these sales were effected in multiple transactions, the price reported in Column 4 represents the weighted average price of the shares of Common Stock sold each day. Warburg Pincus Private Equity VIII, L.P., a Delaware limited partnership, including two affiliated partnerships (“WP VIII”), is the managing member of TD LLC, and, as such, has voting and investment power over the Common Stock held by TD LLC, including the Common Stock with respect to which WP VIII does not have a pecuniary interest. WP VIII disclaims beneficial ownership of all Common Stock to which WP VIII does not have a pecuniary interest. Warburg Pincus Partners, LLC, a New York limited liability company (“WP Partners LLC”), a subsidiary of Warburg Pincus & Co., a New York general partnership (“WP”), is the sole general partner of WP VIII. WP VIII is managed by Warburg Pincus LLC, a New York limited liability company (“WP LLC” and together with WP, WP VIII and WP Partners LLC, the “Warburg Pincus Entities”). David Barr, a director of the Company, is a General Partner of WP and Managing Director and Member of WP LLC and by reason of the provisions of Rule 16a-1 under the Securities Exchange Act of 1934, as amended, Mr. Barr may be deemed to be the beneficial owner of an indeterminate portion of the shares of Common Stock beneficially owned by TD LLC. Mr. Barr disclaims beneficial ownership of all shares held by TD LLC except to the extent of any pecuniary interest therein. WP Partners LLC and WP LLC may be deemed to have an indirect pecuniary interest (within the meaning of Rule 16a-1 under the Securities Exchange Act of 1934, as amended) in an indeterminate portion of the shares of Common Stock held by TD LLC. WP Partners LLC and WP LLC disclaim beneficial ownership of all such shares held by TD LLC except to the extent of any pecuniary interest therein. Charles R. Kaye and Joseph P. Landy are Managing General Partners of WP and Managing Members and Co-Presidents of WP LLC and may be deemed to control the Warburg Pincus Entities. Messrs. Kaye and Landy disclaim beneficial ownership of all shares of Common Stock held by TD LLC except to the extent of any pecuniary interest therein. The address of the Warburg Pincus Entities is 450 Lexington Avenue, New York, New York 10017.

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