

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
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person * <u>Howley W Nicholas</u> (Last) (First) (Middle) 1301 EAST NINTH STREET SUITE 3710 (Street) CLEVELAND OH 44114 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>TransDigm Group INC [TDG]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) Chief Executive Officer
	3. Date of Earliest Transaction (Month/Day/Year) 05/07/2009	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	
		6. Individual or Joint/Group Filing (Check Applicable Line) X 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	05/07/2009		M		23,079	A	\$2.38	23,079	D	
Common Stock	05/07/2009		M		61,111	A	\$13.37	84,190	D	
Common Stock	05/07/2009		S		72,690	D	\$36.299 ⁽¹⁾	11,500	D	
Common Stock	05/07/2009		S		11,500	D	\$36.609 ⁽²⁾	0	D	
Common Stock	05/07/2009		M		11,220	A	\$13.37	11,220	I	Bratenahl Investments, Ltd.
Common Stock	05/07/2009		S		9,687	D	\$36.299 ⁽¹⁾	1,533	I	Bratenahl Investments, Ltd.
Common Stock	05/07/2009		S		1,533	D	\$36.609 ⁽²⁾	0	I	Bratenahl Investments, Ltd.
Common Stock	05/07/2009		S		4,310	D	\$36.299 ⁽¹⁾	686	I	The Howley Family Foundation
Common Stock	05/07/2009		S		686	D	\$36.609 ⁽²⁾	0	I	The Howley Family Foundation

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						Title
Stock Option	\$2.38	05/07/2009		M		23,079		07/22/2003	01/01/2010	Common Stock	23,079	\$0.00	0	D	
Stock Option	\$13.37	05/07/2009		M		61,111		09/28/2005	01/01/2010	Common Stock	61,111	\$0.00	0	D	
Stock Option	\$13.37	05/07/2009		M		11,220		09/28/2005	01/01/2010	Common Stock	11,220	\$0.00	0	I	Bratenahl Investments, Ltd.

Explanation of Responses:

- Price reported constitutes the average weighted price of shares sold. Shares were sold at varying prices in the range of \$35.55 - \$36.54. 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 \$36.55 - \$36.73. 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:

Halle Fine Terrion for W.
Nicholas Howley.

05/07/2009

** 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.