

☐ 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

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>Higgins Andrew William</u>  (Last) (First) (Middle) <u>C/O CIRCOR INTERNATIONAL, INC.</u> <u>25 CORPORATE DRIVE</u>  (Street) <u>BURLINGTON MA 01803</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>CIRCOR INTERNATIONAL INC [ CIR ]</u>  3. Date of Earliest Transaction (Month/Day/Year) <u>03/01/2010</u>  4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director 10% Owner  <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chairman, President &amp; CEO</u>  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
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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	03/01/2010		M		1,646 <sup>(3)</sup>	A	\$45.55 <sup>(3)</sup>	39,228	D	
Common Stock	03/01/2010		F		523	D	\$30.91	38,705	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 Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Units	(1)	03/01/2010		A		15,924		(1)	(1)	Common Stock	15,924	(1)	15,924	D	
Stock Option Right to Buy	\$30.91	03/01/2010		A		11,554		(2)	03/01/2020	Common Stock	11,554	(2)	11,554	D	
Restricted Stock Units	(3)	03/01/2010		M			1,646	(3)	(3)	Common Stock	1,646	(3)	1,646	D	

Explanation of Responses:

1. The Restricted Stock Units (RSUs) granted herein are in connection with the Company's grant of long-term incentive awards for the 2010 Fiscal Year. These RSUs, which represent 75% of the long-term incentive awarded to the executive, vest in three equal installments on April 1, 2011, March 1, 2012 and March 1, 2013 and convert into shares of common stock on a one-for-one basis unless the executive previously has selected a longer deferral period.
2. The options vest 100% on 3/1/2013. The options convert into shares of common stock on a one-for-one basis.
3. The Restricted Stock Units (RSUs), the conversion of which are reported herein, were granted to the Reporting Person by the issuer as part of equity incentive grants made by the issuer on 3/1/08. On that date the fair market value (FMV) of a share of the issuer's stock was \$45.55. The RSU grant vests in equal portions over a five (5) year period, and are received by the Reporting Person upon vesting, on a one-for-one basis unless the Reporting Person has previously chosen a longer deferral period. This report reflects the second vesting from the original grant and the acquisition by the Reporting Person of the underlying shares minus sufficient shares withheld by the issuer at the request of the Reporting Person as necessary to pay applicable income taxes. The FMV of the shares, based on the closing price of the issuer's stock on 2/25/10 (last business day before the shares vested) is \$30.91.

/s/ Alan J. Glass 03/03/2010  
\*\* 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.