

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 | |
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| <p>1. Name and Address of Reporting Person*</p> <p><u>NAUGLE THOMAS E</u></p> <hr/> <p>(Last) (First) (Middle)</p> <p><u>C/O CIRCOR INTERNATIONAL INC.</u></p> <p><u>25 CORPORATE DRIVE</u></p> <hr/> <p>(Street)</p> <p><u>BURLINGTON MA</u> <u>01803</u></p> <hr/> <p>(City) (State) (Zip)</p> | <p>2. Issuer Name and Ticker or Trading Symbol</p> <p><u>CIRCOR INTERNATIONAL INC</u> [CIR]</p> <hr/> <p>3. Date of Earliest Transaction (Month/Day/Year)</p> <p><u>02/26/2010</u></p> <hr/> <p>4. If Amendment, Date of Original Filed (Month/Day/Year)</p> | <p>5. Relationship of Reporting Person(s) to Issuer (Check all applicable)</p> <p><input checked="" type="checkbox"/> Director 10% Owner</p> <p><input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)</p> <hr/> <p>6. Individual or Joint/Group Filing (Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p><input type="checkbox"/> Form filed by More than One Reporting Person</p> |
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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 | 02/26/2010 | | M | | 334 | A | (1) | 9,688 | D | |
| Common Stock | 02/26/2010 | | M | | 343 | A | (2) | 10,031 | 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 | Title | Amount or Number of Shares | | | | |
| Restricted Stock Units | (1) | 02/26/2010 | | M | | | 334 | (1) | (1) | Common Stock | 334 | (1) | 334 | D | |
| Restricted Stock Unit | (2) | 02/26/2010 | | M | | | 343 | (2) | (2) | Common Stock | 343 | (2) | 343 | D | |

Explanation of Responses:

1. 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 2/26/07. On that date the fair market value (FMV) of a share of the issuer's stock was \$36.21. The RSU grant vests in equal portions over a three (3) 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 vesting of a third of RSU from the original grant and the acquisition by the Reporting Person of the underlying shares. The FMV of the shares, based on the closing price of the issuer's stock on 2/25/10 (last business day before shares vested) is \$31.90.

2. 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 2/26/08. On that date the fair market value (FMV) of a share of the issuer's stock was \$46.91. The RSU grant vests in equal portions over a three (3) 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 vesting of a third of RSU from the original grant and the acquisition by the Reporting Person of the underlying shares. The FMV of the shares, based on the closing price of the issuer's stock on 2/25/10 (last business day before shares vested) is \$31.90.

/s/ Alan J. Glass

03/02/2010

** 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.