

## U.S. Department of Labor

Occupational Safety and Health Administration  
450 Main Street  
Room 613  
Hartford, CT 06103  
Phone: 860-240-3152 Fax: 860-240-3155



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## Citation and Notification of Penalty

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**To:**  
Associated Spring - Barnes Group, Inc.  
18 Main Street  
Bristol, CT 06010

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012

**Inspection Site:**  
18 Main Street  
Bristol, CT 06010

*The violation(s) described in this Citation and Notification of Penalty is (are) alleged to have occurred on or about the day(s) the inspection was made unless otherwise indicated within the description given below.*

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This Citation and Notification of Penalty (this Citation) describes violations of the Occupational Safety and Health Act of 1970. The penalty(ies) listed herein is (are) based on these violations. You must abate the violations referred to in this Citation by the dates listed and pay the penalties proposed, unless within 15 working days (excluding weekends and Federal holidays) from your receipt of this Citation and Notification of Penalty you mail a notice of contest to the U.S. Department of Labor Area Office at the address shown above. Please refer to the enclosed booklet (OSHA 3000) which outlines your rights and responsibilities and which should be read in conjunction with this form. Issuance of this Citation does not constitute a finding that a violation of the Act has occurred unless there is a failure to contest as provided for in the Act or, if contested, unless this Citation is affirmed by the Review Commission or a court.

**Posting** - The law requires that a copy of this Citation and Notification of Penalty be posted immediately in a prominent place at or near the location of the violation(s) cited herein, or, if it is not practicable because of the nature of the employer's operations, where it will be readily observable by all affected employees. This Citation must remain posted until the violation(s) cited herein has (have) been abated, or for 3 working days (excluding weekends and Federal holidays), whichever is longer.

**Informal Conference** - An informal conference is not required. However, if you wish to have such a conference you may request one with the Area Director during the 15 working day contest period. During such an informal conference you may present any evidence or views which you believe would support an adjustment to the citation(s) and/or penalty(ies).

If you are considering a request for an informal conference to discuss any issues related to this Citation and Notification of Penalty, you must take care to schedule it early enough to allow time to contest after the informal conference, should you decide to do so. Please keep in mind that a written letter of intent to contest must be submitted to the Area Director within 15 working days of your receipt of this Citation. The running of this contest period is not interrupted by an informal conference.

If you decide to request an informal conference, please complete, remove and post the Notice to Employees next to this Citation and Notification of Penalty as soon as the time, date, and place of the informal conference have been determined. Be sure to bring to the conference any and all supporting documentation of existing conditions as well as any abatement steps taken thus far. If conditions warrant, we can enter into an informal settlement agreement which amicably resolves this matter without litigation or contest.

**Right to Contest** – You have the right to contest this Citation and Notification of Penalty. You may contest all citation items or only individual items. You may also contest proposed penalties and/or abatement dates without contesting the underlying violations. Unless you inform the Area Director in writing that you intend to contest the citation(s) and/or proposed penalty(ies) within 15 working days after receipt, the citation(s) and the proposed penalty(ies) will become a final order of the Occupational Safety and Health Review Commission and may not be reviewed by any court or agency.

**Penalty Payment** – Penalties are due within 15 working days of receipt of this notification unless contested. (See the enclosed booklet and the additional information provided related to the Debt Collection Act of 1982.) Make your check or money order payable to “DOL-OSHA”. Please indicate the Inspection Number on the remittance.

OSHA does not agree to any restrictions or conditions or endorsements put on any check or money order for less than the full amount due, and will cash the check or money order as if these restrictions, conditions, or endorsements do not exist.

**Notification of Corrective Action** – For each violation which you do not contest, you must provide *abatement certification* to the Area Director of the OSHA office issuing the citation and identified above. This abatement certification is to be provided by letter within 10 calendar days after each abatement date. Abatement certification includes the date and method of abatement. If the citation indicates that the violation was corrected during the inspection, no abatement certification is required for that item. The abatement certification letter must be posted at the location where the violation appeared and the corrective action took place or employees must otherwise be effectively informed about abatement activities. A sample abatement certification letter is enclosed with this Citation. In addition, where the citation indicates that *abatement documentation* is necessary, evidence of the purchase or repair of equipment, photographs or video, receipts, training records, etc., verifying that abatement has occurred is required to be provided to the Area Director.

**Employer Discrimination Unlawful** – The law prohibits discrimination by an employer against an employee for filing a complaint or for exercising any rights under this Act. An employee who believes that he/she has been discriminated against may file a complaint no later than 30 days after the discrimination occurred with the U.S. Department of Labor Area Office at the address shown above.

**Employer Rights and Responsibilities** – The enclosed booklet (OSHA 3000) outlines additional employer rights and responsibilities and should be read in conjunction with this notification.

**Notice to Employees** – The law gives an employee or his/her representative the opportunity to object to any abatement date set for a violation if he/she believes the date to be unreasonable. The contest must be mailed to the U.S. Department of Labor Area Office at the address shown above and postmarked within 15 working days

(excluding weekends and Federal holidays) of the receipt by the employer of this Citation and Notification of Penalty.

**Inspection Activity Data** – You should be aware that OSHA publishes information on its inspection and citation activity on the Internet under the provisions of the Electronic Freedom of Information Act. The information related to these alleged violations will be posted when our system indicates that you have received this citation. You are encouraged to review the information concerning your establishment at [www.osha.gov](http://www.osha.gov). If you have any dispute with the accuracy of the information displayed, please contact this office.



## NOTICE TO EMPLOYEES OF INFORMAL CONFERENCE

An informal conference has been scheduled with OSHA to discuss the citation(s) issued on 11/14/2012. The conference will be held at the OSHA office located at 450 Main Street, Room 613, Hartford, CT 06103 on \_\_\_\_\_ at \_\_\_\_\_. Employees and/or representatives of employees have a right to attend an informal conference.

**CERTIFICATION OF CORRECTIVE ACTION WORKSHEET**

**Inspection Number: 437731**

Company Name: Associated Spring - Barnes Group, Inc.  
Inspection Site: 18 Main Street, Bristol, CT 06010  
Issuance Date: 11/14/2012

List the specific method of correction for each item on this citation in this package that does not read "Corrected During Inspection" and return to: **U.S. Department of Labor – Occupational Safety and Health Administration, 450 Main Street, Room 613, Hartford, CT 06103**

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

I certify that the information contained in this document is accurate and that the affected employees and their representatives have been informed of the abatement.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Title

**NOTE: 29 USC 666(g)** whoever knowingly makes any false statements, representation or certification in any application, record, plan or other documents filed or required to be maintained pursuant to the Act shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment of not more than 6 months or both.

**POSTING:** A copy of completed Corrective Action Worksheet should be posted for employee review



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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

**Citation 1 Item 1 a** Type of Violation: **Serious**

OSH ACT of 1970 Section (5)(a)(1): The employer did not furnish employment and a place of employment which were free from recognized hazards that were causing or likely to cause death or serious physical harm to employees in that, employees were exposed to potential fire and explosion hazards:

In the following locations on or about June 5, 2012, dust collection systems exposed employees to potential fire and explosion hazards:

A. Hardening Shop: Employees were exposed to fire and/or explosion hazards because the combustible corn cob dust coming out of five vibratory finishing bowls traveled through a dust collection system which had no protective measures to detect, suppress, contain and isolate any combustible fires and/or explosions that were at risk of occurring in or entering the work area.

Note: The dust collection system included collection hoods, ducts, Donaldson Torit Downflo Oval dust collector, filtered air discharge duct, and exhaust return air system.

B. ISO Department: Employees were exposed to fire and/or explosion hazards because the combustible corn cob dust coming out of five vibratory finishing bowls traveled through a dust collection system which had no protective measures to detect, suppress, contain and isolate any combustible fires and/or explosions that were at risk of occurring in or entering the work area. In addition, the dust collection system recirculated air without preventing the return of combustible dust into the building.

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

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Note: The dust collection system included collection hoods, ducts, Dust-Hog Supra-Pulse FJH dust collector, filtered air discharge duct, and exhaust return air system.

Among other methods, one feasible and acceptable abatement method to correct this hazard is to design, install and maintain dust collection systems that collect combustible cob dust in accordance with National Fire Protection Association (NFPA) 654 Standard for the Prevention of Fire and Dust Explosions of Combustible Particulate Solids.

Date By Which Violation Must be Abated:  
Proposed Penalty:

03/27/2013  
\$5000.00

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**Citation 1 Item 1 b** Type of Violation: **Serious**

29 CFR 1910.22(a)(1): All places of employment, passageways, storerooms or service rooms were not kept clean and orderly or in a sanitary condition:

ISO Room: On or about November 2, 2012, the employer allowed fugitive combustible corn cob dust to accumulate on surfaces including overhead ducts.

One feasible abatement method would be to develop a more efficient dust collection hood, which would capture more dust at the surface.

Date By Which Violation Must be Abated:

12/28/2012

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

**Citation 1 Item 2 a** Type of Violation: **Serious**

29 CFR 1910.23(c)(1): Open-sided floor(s) or platform(s) 4 feet or more above the adjacent floor or ground level were not guarded by standard railings (or the equivalent as specified in 29 CFR 1910.23(e)(3)(i) through (v)), on all open sides:

In the following areas on or about June 6, 2012, open sided floors were not provided with standard guardrails on all open sides:

- A. Die Quench Mezzanine
- B. Quality Mezzanine
- C. Fourslide Mezzanine
- D. Tool Room Mezzanine

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
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**Citation 1 Item 2 b** Type of Violation: **Serious**

29 CFR 1910.23(e)(2): Stair rails did not consist of a top rail, intermediate rail and/or posts, with the vertical height not more than 34 inches (86.36 cm) nor less than 30 inches (76.2 cm) from upper surface of top rail to surface of tread in line with the face of the riser at the forward edge of the tread:

In the following areas on or about June 6, 2012, stair rails were not provided with intermediate rails:

- A. Die Quench Mezzanine
- B. Quality Mezzanine
- C. Fourslide Mezzanine
- D. Tool Room Mezzanine

Date By Which Violation Must be Abated:

12/28/2012

**U.S. Department of Labor**  
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**Citation 1 Item 2 c Type of Violation: **Serious****

29 CFR 1910.24(e): Fixed stairs were not installed at angles to the horizontal of between 30 degrees and 50 degrees:

In the following locations on or about June 6, 2012, fixed industrial stairs were measured to be at angles greater than 50 degrees to the horizontal:

- A. Die Quench Mezzanine
- B. Quality Mezzanine
- C. Fourslide Mezzanine
- D. Tool Room Mezzanine

Date By Which Violation Must be Abated:

02/12/2013

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**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
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**Citation 1 Item 3** Type of Violation: **Serious**

29 CFR 1910.37(a)(2): Exit routes were not arranged so that employees did not have to travel toward a high hazard area:

In the following instances, on or about August 7, 2012, emergency exit routes led to areas of deflagration venting for combustible dust collection systems. Employees were exposed to burns and concussive injuries from the blast pressure and fireball created by the venting process:

- A. Hardening Shop: Employees exiting to the right from Fire Exit #12
- B. ISO Room: Employees exiting to the left from Fire Exit #8.
- C. CFAR: Employees exiting to the right from Fire Exit #7.

Date By Which Violation Must be Abated:  
Proposed Penalty:

12/28/2012  
\$5000.00

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**Citation 1 Item 4** Type of Violation: **Serious**

29 CFR 1910.94(a)(7): Abrasive blasting dust(s) were permitted to accumulate on the floor or on ledges outside of the abrasive blasting enclosure(s):

Shot Blast Area: On or about June 6, 2012, the walkway behind Pangborn 6N Barrel blast Cleaning System #4-070 was slippery due to a buildup of blast media.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00

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**Citation and Notification of Penalty**

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**Citation 1 Item 5** Type of Violation: **Serious**

29 CFR 1910.95(g)(8)(ii)(B): Unless a physician determines that the standard threshold shift is not work-related or aggravated by occupational noise exposure, the employer did not ensure, when a standard threshold shift occurs, that for employees already using hearing protectors, employees be refitted and retrained in the use of hearing protectors and provided with hearing protectors offering greater attenuation if necessary:

Facility-Wide: On or about May 15, 2012, employees enrolled in the company's audiometric testing program who showed a standard threshold shift as a result of the November 2011 tests, were not refitted or retrained in the use of hearing protectors.

Date By Which Violation Must be Abated:  
Proposed Penalty:

12/28/2012  
\$6000.00

**U.S. Department of Labor**  
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**Citation 1 Item 6** Type of Violation: **Serious**

29 CFR 1910.106(e)(2)(iv)(d): Flammable or combustible liquids were not drawn from or transferred into vessels, containers, or portable tanks within a building only through a closed piping system, from safety cans, by means of a device drawing through the top, or from a container or portable tanks by gravity through an approved self-closing valve:

Small Orders/Prototype Area: On or about May 21, 2012, a container of "Solvent 6733," a Category 3 flammable liquid, was not provided with a self closing valve.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$3000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

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**Citation 1 Item 7** Type of Violation: **Serious**

29 CFR 1910.132(a): Protective equipment was not maintained in a sanitary and reliable condition:

Outside EDM Room: On or about May 21, 2012, the protective gloves provided on the Blast-it-All abrasive blaster had a tear in the right glove sleeve, exposing employees to the abrasive glass bead media.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00

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Citation 1 Item 8 Type of Violation: **Serious**

29 CFR 1910.151(c): Where employees were exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body were not provided within the work area for immediate emergency use:

Water Treatment Area: On or about June 5, 2012, no eyewash was provided in the immediate for employees using caustic chemicals. The nearest eyewash was 139 feet away.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$5000.00

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**Citation and Notification of Penalty**

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**Citation 1 Item 9** Type of Violation: **Serious**

29 CFR 1910.157(d)(6): The employer did not distribute portable fire extinguishers or other containers of Class D extinguishing agent for use by employees so that the travel distance from the combustible metal working area to any extinguishing agent is 75 feet (22.9 m) or less:

Tool/Die Room: On or about May 21, 2012, no Class D fire extinguisher or bucket of extinguishing media was provided within 75 feet of where combustible aluminum was being cut.

Note: Portable fire extinguishers for Class D hazards are required in those combustible metal working areas where combustible metal powders, flakes, shavings, or similarly sized products are generated at least once every two weeks.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$5000.00



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 10 a      Type of Violation: **Serious**

29 CFR 1910.169(b)(3)(i): Air receivers were not equipped with one or more spring-loaded safety valves to prevent pressure in the receiver from exceeding the maximum allowable working pressure of the receiver by more than 10 percent:

In the following instances, on or about May 24, 2012, air handling tanks were not provided with spring-loaded pressure relief valves:

- A. SKF Cell, at the following small heat set presses:
1. Press 28/43
  2. Press 28/69
  3. Press 28/55
  4. Press 28/131

Date By Which Violation Must be Abated:  
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Corrected During Inspection  
\$5000.00

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**Citation 1 Item 10 b**      Type of Violation: **Serious**

29 CFR 1910.217(b)(12): All pressure vessels used in conjunction with power presses did not conform to the American Society of Mechanical Engineers Code for Pressure Vessels, 1968 Edition:

Small Orders/Prototype Department: On or about May 21, 2012, the air counterbalance tank at the top of the Federal 45-ton part revolution power press, b/t2-419 was not provided with a pressure relief valve.

Date By Which Violation Must be Abated:

Corrected During Inspection

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**Citation 1 Item 11** Type of Violation: **Serious**

29 CFR 1910.179(g)(1)(v): Pendant control box(es) were not clearly marked for identification of functions:

Tool & Die Room: On or about May 21, 2012, the pendant control for the 12-ton Detroit Hoist & Crane was missing labels on the middle two buttons. The "hoist down" and "hoist travel" buttons were not marked. The labels were not indicative of what they controlled, (i.e., hoist or bridge).

Date By Which Violation Must be Abated:  
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Corrected During Inspection  
\$5000.00

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**Citation 1 Item 12** Type of Violation: **Serious**

29 CFR 1910.184(i)(1): Synthetic web sling(s) were not marked or coded to show rated capacities for each type of hitch and type of synthetic web material:

Tool & Die Room: On or about May 21, 2012, nylon slings used for lifting die sets had capacity rating tags worn off.

Date By Which Violation Must be Abated:  
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\$4000.00

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**Citation 1 Item 13** Type of Violation: **Serious**

29 CFR 1910.212(a)(1): One or more methods of machine guarding was not provided to protect the operator and other employees in the machine area from hazards such as those created by point of operation, ingoing nip points, rotating parts, flying chips and sparks:

In the following instances, employees were exposed to injury caused by unguarded equipment:

- A. Fourslide Department: On or about May 21, 2012, unguarded lower ingoing nip point on the Allen Bradley belt sander, b/t 50-3981.
- B. Tool & Die Room: On or about May 24, 2012, unused portion of the blade was not guarded on the Kysor Johnson band saw, b/t 27-61.
- C. Tool & Die Room: On or about May 21, 2012, unused portion of the blade was not guarded on the Do-All band saw, b/t 688.
- D. Eyelet Room: On or about May 21, 2012, Baldor 1/2 HP belt sander had no guard for the lower ingoing nip point.
- E. Tumbling: On or about June 6, 2012, machine guarding/interlocks on two New Holland centrifuges did not work, allowing the operator to open the cover exposing them to the spinning baskets inside.

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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 14 a      Type of Violation: **Serious**

29 CFR 1910.215(a)(4): Work rest(s) on grinding machinery were not adjusted closely to the wheel with a maximum opening of one eighth inch:

Tool/Die Room: On or about May 21, 2012, the work rest on the Delta pedestal grinder, b/t 19209 was out of adjustment, exposing employees to laceration and avulsion hazards.

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\$4000.00

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Citation 1 Item 14 b      Type of Violation: **Serious**

29 CFR 1910.215(b)(9): The distance between the abrasive wheel periphery(s) and the adjustable tongue or the end of the safety guard peripheral member at the top exceeded one fourth inch:

Tool & Die Room: On or about May 21, 2012, the Delta Pedestal Grinder, b/t 19209 had a tongue guard which was out of adjustment, exposing employees to shrapnel injuries.

Date By Which Violation Must be Abated:

Corrected During Inspection

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**Citation 1 Item 15** Type of Violation: **Serious**

29 CFR 1910.215(b)(5): The angular exposure of grinding wheel periphery and sides for safety guards used on surface grinding machine(s) employing the wheel periphery exceeded 150 degrees:

A. Tool & Die Room: In the following instances, on or about May 21, 2012, guards provided on the following surface grinding equipment exceeded 150 degrees angular exposure of the grinding wheel periphery:

1. Reid Rollerway surface grinder, no brass tag.
2. Reid Rollerway, AS #691.

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\$3000.00

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Issuance Date: 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 16** Type of Violation: **Serious**

29 CFR 1910.217(b)(6)(i): Two hand trip(s) on mechanical power press(es) using full revolution clutches did not have the individual operator's hand controls protected against unintentional operation:

SKF Cell: On or about May 23, 2012, Perkins 22 full-revolution power press #2-367 had no ring guards on 2-hand control buttons to prevent unintentional operation.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$5000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 17** Type of Violation: **Serious**

29 CFR 1910.217(b)(7)(ii): Mechanical power press(es) using part revolution clutches were not provided with a red color stop control, which would immediately deactivate the clutch and apply the brake, override any other control, and require use of the operating (tripping) means selected to reactivate the clutch:

- A. Mossberg Cell: On or about May 23, 2012, Federal 22 part-revolution power press #2-397 had no "red" emergency stop button. The button provided was black in color.
- B. SKF Cell: On or about May 23, 2012, access to the emergency stop button on the Federal 32 part-revolution power press #2-415 was blocked by the placement of a light fixture.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$5000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 18** Type of Violation: **Serious**

29 CFR 1910.217(c)(1)(i): The employer did not provide and ensure the usage of point of operation guards or properly applied point of operation devices on every operation performed on mechanical power press(es):

A. Main Press Area: On or about May 24, 2012, the light curtain installed on Perkins #3-435 worked intermittently and allowed employees access to the point of operation.

B. On or about May 21, 2012 in the Small Orders/Prototype Area:

1. Waterbury Farrel 100 b/t 158970 2292 with a 5/16" stroke, was not guarded in compliance with Table O-10.

2. Blue Waterbury Farrel 100 b/t 2293 with a 5/16" stroke, was not guarded in compliance with Table O-10.

3. The light curtain on the Perkins 5-C 5-ton part revolution power press, b/t 3438E, worked intermittently and allowed employees access to the point of operation.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$7000.00

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 19** Type of Violation: **Serious**

29 CFR 1910.217(e)(1)(i): A program of periodic and regular inspections of mechanical power press(es) was not established and followed to ensure that all parts, auxiliary equipment and safeguards were in a safe operating condition and adjustment:

Small Orders/Prototype Area: On or about May 21, 2012, no periodic inspections of the part- or full-revolution power presses in this area were conducted.

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:	12/28/2012
Proposed Penalty:	\$7000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 20 a      Type of Violation: **Serious**

29 CFR 1910.219(d)(1): Pulley(s) with part(s) seven feet or less from the floor or work platform were not guarded in accordance with the requirements specified in 29 CFR 1910.219(m) and (o):

Tool & Die Room: On or about May 21, 2012, the pulley for the Baldor power transmission motor on the Kysor-Johnson metal cutting band saw was not provided a safeguard, exposing employees to laceration and avulsion hazards.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 20 b      Type of Violation: **Serious**

29 CFR 1910.219(e)(3)(i): Vertical or inclined belt(s) were not enclosed by guard(s) conforming to the requirements specified at 29 CFR 1910.219(m) and (o):

Tool & Die Room: On or about May 21, 2012, the 1/2" rubber belt on Kysor-Johnson metal-cutting band saw was unguarded, exposing employees to laceration and avulsion hazards.

Date By Which Violation Must be Abated:

Corrected During Inspection

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 21** Type of Violation: **Serious**

29 CFR 1910.303(b)(1): Electrical equipment was not free from recognized hazards that were likely to cause death or serious physical harm to employees:

Tool & Die Room: On or about May 21, 2012, a reel drop at Column G2 had a damaged electrical cord, which was used to power tools used on the work benches. Employees were exposed to electric shock hazards.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$5000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



### Citation and Notification of Penalty

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 22 a      Type of Violation: **Serious**

29 CFR 1910.303(b)(2): Listed or labeled electrical equipment was not used or installed in accordance with instructions included in the listing or labeling:

In the following locations, electrical equipment was used against its listing and labeling instructions, exposing employees to burns and electric shock hazards:

A. On or about June 5, 2012, Maintenance:

1. Magic Chef microwave oven, Model MC-10008, S/N 809TA06036 was energized through a relocatable power tap. The equipment was listed for household use and instructions directed it be plugged directly into a wall outlet.

2. Gold Star microwave oven, Model MA-781M, S/N 808KM01851 was energized through an extension cord which was in turn powered through a relocatable power tap. The equipment was listed for household use and instructions directed it be plugged directly into a wall outlet.

B. On or about May 24, 2012, Eyelet Department:

1. General Electric microwave oven, Model JE635WW-01 was powered through a relocatable power tap. The equipment was listed for household use and instructions directed it be plugged directly into a wall outlet.

2. APC Surge protector used to power the General Electric microwave was plugged into another relocatable power tap. Listing and labeling instructions state that relocatable power taps may not be "daisy chained."

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 22 b      Type of Violation: **Serious**

29 CFR 1910.304(b)(4)(ii)(B): Where connected to a branch circuit supplying two or more receptacles or outlets, a receptacle supplied a total cord- and plug-connected load in excess of the maximum specified in Table S-4:

Maintenance Department: On or about June 5, 2012, the Lunalite portable multi outlet center, Model POS-6, S/N 8045 15 amp receptacle was subject to being overloaded as it provided power to a magnifying inspection lamp, a Magic Chef 11.3 amp microwave oven, and a Goldstar 9.3 amp microwave oven. The outlet ampacity rating was exceeded. Employees were exposed to burns and electric shocks from overloaded equipment.

Date By Which Violation Must be Abated:

Corrected During Inspection

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 23 a      Type of Violation: **Serious**

29 CFR 1910.303(g)(1)(i)(A): The depth of the working space in the direction of access to live parts was less than indicated in Table S-1:

A. Hardening Shop: On or about June 6, 2012, the metal barrier guard in front of the U.S. Filter VL/Rampe 480V vibratory bowl control panel, b/t49-1780, was located within 27" of the face of the panel.

B. Hardening Shop: On or about June 6, 2012, the 480V mill control panel for the Sweco vibratory bowl #4, b/t 49-1781 was located within 31" of conveyor hopper #1006040.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 23 b      Type of Violation: **Serious**

29 CFR 1910.303(g)(1)(i)(C): For electric equipment operating at 600 volts, nominal, or less to ground, and likely to require examination, adjustment, servicing, or maintenance while energized, the width of work space was not clear and did not extend from the grade, floor, or platform to the height required by paragraph (g)(1)(vi) of 29 CFR 1910.303:

- A. Near Heat Set Press: On or about May 21, 2012, Square D transformer extended 28" in front of the 240V Square D main principal 225 amp panel.
- B. Die Quench Mezzanine: On or about June 6, 2012, Hevi-Duty transformer, b/t 42254 extended 19" in front of electrical panel.
- C. Quality Mezzanine: On or about June 6, 2012, Allis Chalmers transformer, b/t 42-209 extended 11" in front of electrical panel.

Date By Which Violation Must be Abated:

Corrected During Inspection

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 23 c      Type of Violation: **Serious**

29 CFR 1910.303(g)(1)(ii): The required working space about electric equipment rated 600 volts, nominal, or less to ground, was used for storage:

Fourslide Department: On or about May 21, 2012, blocked electrical panel on Column M2. GE load center near Fourslide #146 blocked by palletized wire in front of the panel.

Date By Which Violation Must be Abated:

Corrected During Inspection

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 23 d      Type of Violation: **Serious**

29 CFR 1910.304(f)(1)(iv): Overcurrent devices for circuits rated 600 volts, nominal, or less, were not readily accessible to each employee or authorized building management personnel:

Tool & Die Room: On or about May 21, 2012, storage was in front of overcurrent devices preventing them from being readily available. Electrical panels blocked by the placement of the Maho MH600 CNC Milling Machine, 33" clearance provided.

Date By Which Violation Must be Abated:

Corrected During Inspection

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 24** Type of Violation: **Serious**

29 CFR 1910.304(g)(5): The path to ground from circuits, equipment, and enclosures was not permanent, continuous and effective:

Test Strip Cell: On or about June 5, 2012, metal parts on the Nova Airmaster 24" pedestal fan behind the Donalton Torit dust collector were energized. The power cord for the fan was missing a grounding pin, exposing employees to electric shock hazards.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$5000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 25 a      Type of Violation: **Serious**

29 CFR 1910.305(b)(1)(i): Openings through which conductors entered cutout boxes, cabinets, or fittings were not effectively closed:

- A. Fourslide Department: On or about May 21, 2012, aA missing knockout on the Gibbs #78531 reel controller at Fourslide #164 exposed employees to electric shock hazards.
- B. ISO Room: On or about May 21, 2012, a missing knockout on the RXS900 blaster exposed employees to electric shock hazards.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$5000.00

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 25 b      Type of Violation: **Serious**

29 CFR 1910.305(b)(2)(i): Pull boxes, junction boxes, and fittings were not provided with covers approved for the purpose:

Fourslide Mezzanine: On or about June 6, 2012, a junction box 18" from the floor was missing a cover, exposing employees to energized wires.

Date By Which Violation Must be Abated:

Corrected During Inspection

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 26** Type of Violation: **Serious**

29 CFR 1910.305(e)(1): Cabinets, cutout boxes, fittings, boxes, and panelboard enclosures in damp or wet locations were not installed to prevent moisture or water from entering and accumulating within the enclosures:

ISO Room: On or about June 5, 2012, junction boxes on the vibratory bowls were not completely sealed and had screw holes into which water could enter.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor  
Occupational Safety and Health Administration

Inspection Number: 437731  
Inspection Date(s): 05/15/2012 - 11/09/2012  
Issuance Date: 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 27 a      Type of Violation: **Serious**

29 CFR 1910.305(g)(1)(iv)(A): Flexible cords and/or cables were used as a substitute for the fixed wiring of a structure:

A. Tool & Die Room: On or about May 21, 2012, extension cords used in lieu of fixed wiring at the time clock computer.

B. Eyelet Area: On or about May 21, 2012, the control panel for the Jones & Lamson Model FC-14 optical comparator was powered through an extension cord in lieu of the fixed outlet available on the wall behind the equipment.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$3000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor  
Occupational Safety and Health Administration

Inspection Number: 437731  
Inspection Date(s): 05/15/2012 - 11/09/2012  
Issuance Date: 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 27 b      Type of Violation: **Serious**

29 CFR 1910.305(g)(1)(iv)(D): Flexible cords and cables were attached to building surfaces:

- A. Eyelet Area: On or about May 24, 2012, the power cord for the PA Industries Pallet Reel Model 9005, S/N X16151-2 was hanging over a pipe.
- B. Hardening, near Lava Pot: On or about June 6, 2012, the power cord for the 110V counter was attached to the structure of the building.

Date By Which Violation Must be Abated: .

Corrected During Inspection

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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Citation 1 Item 27 c      Type of Violation: **Serious**

29 CFR 1910.305(g)(1)(iv)(E): Flexible cords and cables were concealed behind building walls, ceilings, or floors:

CFar Area: On or about May 21, 2012, power to work areas was provided through flexible cords run through the drop ceiling tiles.

Date By Which Violation Must be Abated:

Corrected During Inspection

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 28** Type of Violation: **Serious**

29 CFR 1910.305(j)(2)(vi): A receptacle installed in a wet location where the product intended to be plugged into it was not to be attended while in use (for example, sprinkler system controllers, landscape lighting, and holiday lights) did not have an enclosure that was weatherproof with the attachment plug cap inserted or removed:

ISO Room: On or about June 5, 2012, receptacles powering pedestal fans which were plugged in and used in wet locations near the vibratory bowls, were not provided with in-use covers.

Date By Which Violation Must be Abated:  
Proposed Penalty:

Corrected During Inspection  
\$4000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 29** Type of Violation: **Serious**

29 CFR 1910.307(c): Equipment, wiring methods, and installations of equipment in hazardous (classified) locations were not intrinsically safe, approved for the hazardous (classified) location, or safe for the hazardous (classified) location:

ISO Room: On or about June 5, 2012, a general duty buss bar was located in a Class II, Division 2 location over the vibratory bowls.

Date By Which Violation Must be Abated:  
Proposed Penalty:

12/28/2012  
\$5000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 437731  
**Inspection Date(s):** 05/15/2012 - 11/09/2012  
**Issuance Date:** 11/14/2012



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 1 Item 30** Type of Violation: **Serious**

29 CFR 1910.334(a)(3)(ii): Attachment plugs and receptacles were connected or altered in a manner which prevented proper continuity of the electric equipment grounding conductor at the point where plugs were attached to receptacles:

Hardening Shop, near Lava Pot: On or about June 6, 2012, energized prongs for the power cord to a 12" metal encased fan were hanging out of the outlet.

Date By Which Violation Must be Abated:  
Proposed Penalty:

12/28/2012  
\$5000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



**Citation and Notification of Penalty**

**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010

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**Citation 2 Item 1** Type of Violation: **Other-than-Serious**

29 CFR 1910.1200(f)(5)(ii): The employer did not ensure that each container of hazardous chemicals in the workplace was labeled, tagged or marked with the appropriate hazard warnings:

A. Main Press Area: On or about May 21, 2012, the hazard warning label on can of red oil at the Minster Piecemaker #2-468 Eaton Press was not legible.

B. Tool Room Mezzanine: On or about June 6, 2012, the pipes used to transport natural gas to the Onan 30EK b/t 50-4262 compressor were not labeled or identified, they were all painted white.

Date By Which Violation Must be Abated:

12/28/2012

Proposed Penalty:

\$ .00

A handwritten signature in black ink, appearing to read "Warren G. Simpson", is written over a horizontal line.

Warren G. Simpson  
Area Director

**U.S. Department of Labor**  
Occupational Safety and Health Administration  
450 Main Street  
Room 613  
Hartford, CT 06103  
Phone: 860-240-3152 Fax: 860-240-3155



## INVOICE / DEBT COLLECTION NOTICE

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**Company Name:** Associated Spring - Barnes Group, Inc.  
**Inspection Site:** 18 Main Street, Bristol, CT 06010  
**Issuance Date:** 11/14/2012

<b>Summary of Penalties for Inspection Number</b>	<b>437731</b>
<b>Citation 1, Serious</b>	<b>\$139000.00</b>
<b>Citation 2, Other-than-Serious</b>	<b>\$ .00</b>
<b>TOTAL PROPOSED PENALTIES</b>	<b>\$139000.00</b>

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To avoid additional charges, please remit payment promptly to this Area Office for the total amount of the uncontested penalties summarized above. Make your check or money order payable to: "DOL-OSHA". Please indicate OSHA's Inspection Number (indicated above) on the remittance.

OSHA does not agree to any restrictions or conditions or endorsements put on any check or money order for less than the full amount due, and will cash the check or money order as if these restrictions or conditions do not exist.

If a personal check is issued, it will be converted into an electronic fund transfer (EFT). This means that our bank will copy your check and use the account information on it to electronically debit your account for the amount of the check. The debit from your account will then usually occur within 24 hours and will be shown on your regular account statement. You will not receive your original check back. The bank will destroy your original check, but will keep a copy of it. If the EFT cannot be completed because of insufficient funds or closed account, the bank will attempt to make the transfer up to 2 times.

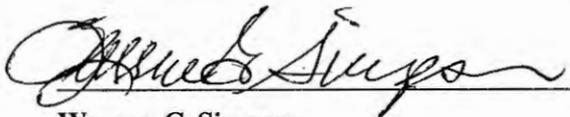
Pursuant to the Debt Collection Act of 1982 (Public Law 97-365) and regulations of the U.S. Department of Labor (29 CFR Part 20), the Occupational Safety and Health Administration is required to assess interest, delinquent charges, and administrative costs for the collection of delinquent penalty debts for violations of the Occupational Safety and Health Act.

**Interest:** Interest charges will be assessed at an annual rate determined by the Secretary of the Treasury on all

penalty debt amounts not paid within one month (30 calendar days) of the date on which the debt amount becomes due and payable (penalty due date). The current interest rate is one percent (1%). Interest will accrue from the date on which the penalty amounts (as proposed or adjusted) become a final order of the Occupational Safety and Health Review Commission (that is, 15 working days from your receipt of the Citation and Notification of Penalty), unless you file a notice of contest. Interest charges will be waived if the full amount owed is paid within 30 calendar days of the final order.

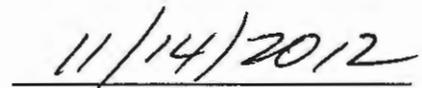
**Delinquent Charges:** A debt is considered delinquent if it has not been paid within one month (30 calendar days) of the penalty due date or if a satisfactory payment arrangement has not been made. If the debt remains delinquent for more than 90 calendar days, a delinquent charge of six percent (6%) per annum will be assessed accruing from the date that the debt became delinquent.

**Administrative Costs:** Agencies of the Department of Labor are required to assess additional charges for the recovery of delinquent debts. These additional charges are administrative costs incurred by the Agency in its attempt to collect an unpaid debt. Administrative costs will be assessed for demand letters sent in an attempt to collect the unpaid debt.



**Warren G. Simpson**

Area Director



Date