

# Fletcher<sup>®</sup>

## Product Newsletter

J. H. Fletcher & Co.<sup>®</sup>



Huntington, WV

www.jhfletcher.com

2012 Issue 2

### Inside

Page 2

*Maintenance  
Training*

*Canopy Pin*

Page 3

*Scissors ATRS*

Page 4

*Employee News*

*MineExpo 2012*

## J. H. Fletcher & Co. Celebrates 75 Years



*Early Roof Bolter*

This year J.H. Fletcher & Co. is celebrating 75 years of service to the coal mining industry. The company was founded in Chicago, Illinois in 1937, by James Herbert Fletcher, with the idea that rubber-tired technology, already being used underground in industrial minerals, could be applied to the coal mining industry.

After moving to Huntington, West Virginia in the 1940s, Fletcher soon became a pioneer in the production of roof bolters. Advancements in safety and productivity of roof bolting in the USA have always been associated with Fletcher, who invented and patented aspects of the automated temporary roof support system (ATRS). In 2000, the company expanded

its line of production to include the industrial mineral and rock division.

“We are proud that for 75 years, Fletcher has provided equipment to the underground mining industry that enhances the safety of the work environment and increases productivity.” said Greg Hinshaw, CEO. “Fletcher is built on a strong foundation of family values. We are blessed with a strong supplier base, dedicated employees, and customers who appreciate the value of our products and services. The future for Fletcher is rich with opportunity. Our presence is increasing world wide and our breadth continues to grow. Our experience and expertise give us a firm foundation as we look confidently to the future.”

Today, Fletcher is the world’s leading manufacturer of custom-built roof bolting machines, designed to meet a variety of specific mining needs, along with an entire line of technological machinery focused on worker safety and productivity in underground industrial mineral and coal mines.



*Modern DDR Walk-Thru Roof Bolter*

# Need Maintenance Classes?

J. H. Fletcher & Co. can provide machine specific maintenance classes for your company's maintenance personnel. Don Sexton, Manager of Training—Coal Division



vision, has been developing maintenance presentation templates specific to the different types of Fletcher machine models. The Maintenance Training Presentation (MTP) can be customized to a specific machine serial number for a more in-depth approach to the machine's circuits and systems (this class requires advanced notice so the machine can be followed through production).

Classes are normally set up for 8 hours but can be modified to fit a customer's schedule.

Typical class content includes:

1. Safety tips for maintenance personnel pertaining to a specific Fletcher model of machine.
2. Chassis and boom hydraulic circuits and systems concentrating on hydraulic pump flow paths and machine hydraulic circuit breakdowns.
3. Electrical circuits and systems covering machine's

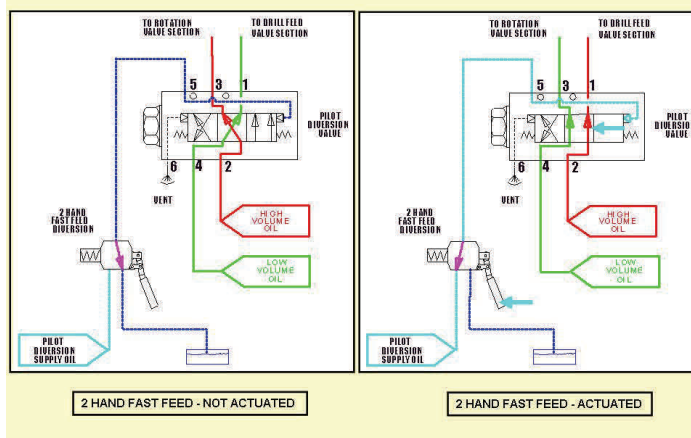
control circuits for stop/start, low oil warning and shutdown, and remote control system if equipped.

4. Dust suppression system including maintaining a dust system.
5. Routine service and maintenance.
6. Lubrication.
7. Machine setup and adjustments.

For further information on developing a maintenance training presentation class on your machine contact:

J. H. Fletcher & Co.  
Don Sexton—Manager of Training—Coal Division  
304-525-7811 ext. 553  
ds Sexton@jh Fletcher.com

## BOOM HYDRAULIC CIRCUITS – TWO HAND FAST FEED PILOT DIVERSION VALVE

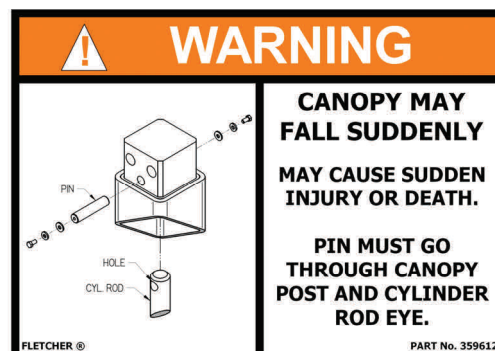


*Detailed Circuit Breakdowns*

## Updated Canopy Pin

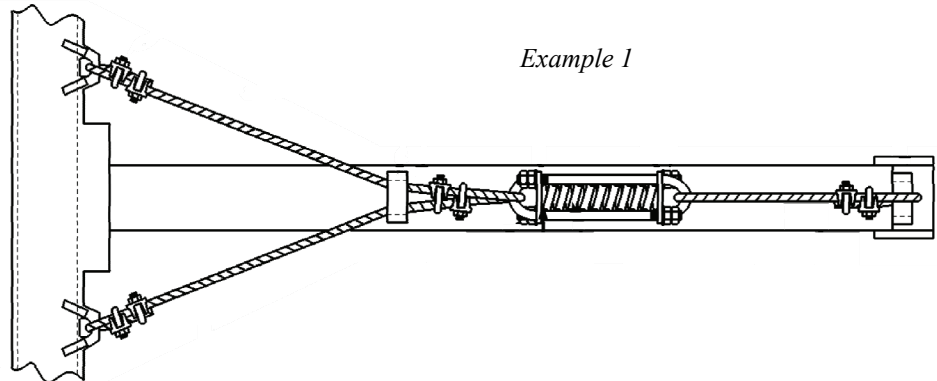
In 2008 J.H. Fletcher & Co. started installing a warning tag on all pins that hold the canopy hydraulic cylinder to the support post. This pin (P/N: 413278), as shown on the tag, is placed through the support post hole and through the cylinder eye. The pin has two rubber washers on either side of the pin; when tightened the washer will expand, preventing the pin from falling out of the cylinder eye. This is a safety feature that was incorporated into all new machines. This pin replaces P/N: 137307 which does not have the rubber washers or warning tag. Fletcher recommends that when you are replacing the cylinder you replace the pin. When you order the pin it is easily identifiable by the warning tag. If you have any ques-

tions, please do not hesitate to call our service department.



# Scissors ATRS

An automated temporary roof support, ATRS, is a required by law safety device that must be used consistently to temporarily support the roof. On machines equipped with Scissor type ATRS systems the beam must contact the roof as evenly as possible. To keep the beam contact pads parallel to the roof to insure even contact a leveling mechanism is provided. Fletcher® has a couple of different styles. In example 1, a system using wire ropes along with a spring mechanism is used to keep the beam parallel to the roof during its range of motion. In example 2, a different mechanism to accomplish the same result is used. This design uses a threaded rod with springs instead of wire ropes. Both designs use a spring system that can be adjusted if your beam is not making even contact with the roof when set.

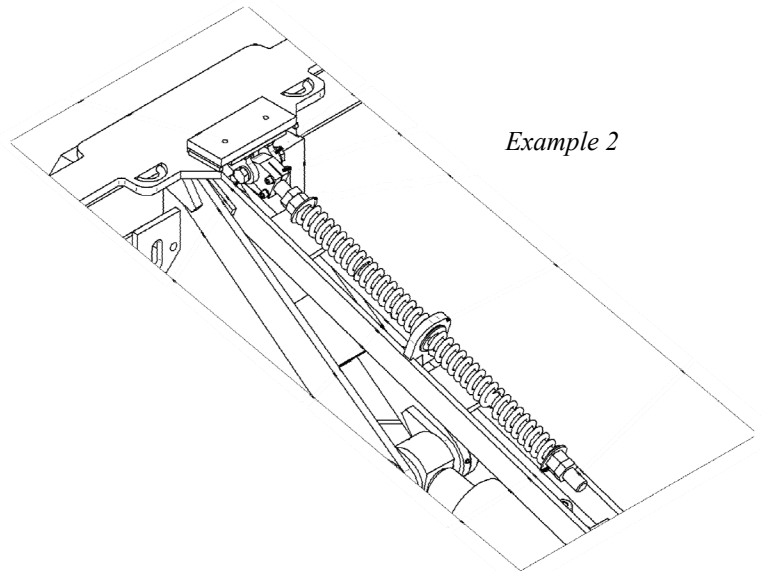


In example 2, a different mechanism to accomplish the same result is used. This design uses a threaded rod with springs instead of wire ropes. Both designs use a spring system that can be adjusted if your beam is not making even contact with the roof when set.

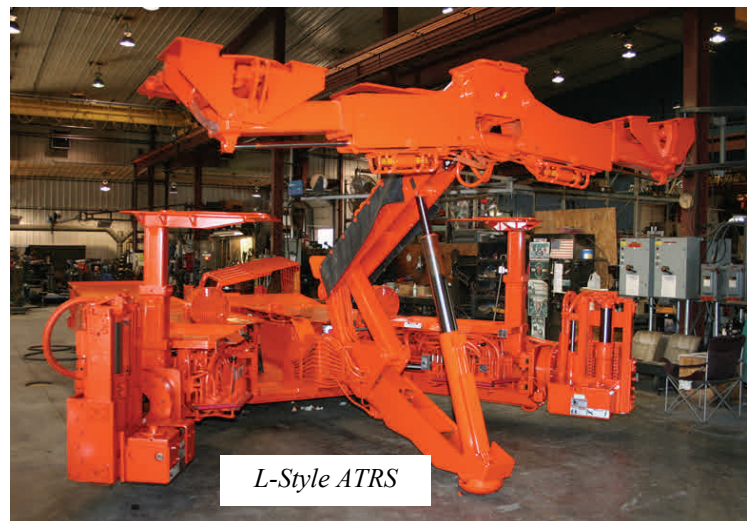
Fletcher® encourages you to maintain either system as originally designed. Failure to maintain the system could result in the beam rolling forward and not making proper contact with the roof.

Keep in mind the following issues when setting the ATRS:

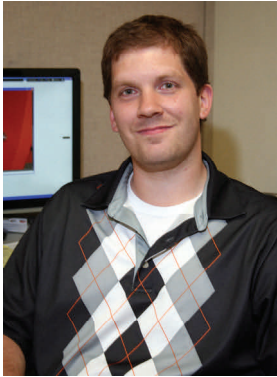
1. The ATRS pads should be parallel to the roof before and after setting.
2. The ATRS pads should be the same distance from the drill head on each side of the machine, perpendicular to the center line of the machine.
3. The ATRS pads should be placed against the roof and be pressurized to the roof according to the operators manual.
4. The rocker pads should make as much contact with the roof as the 6" x 6", (36 square inches), roof plates which would be installed as permanent support.
5. The ATRS pad 36 square inch minimum contact area must not be more than 60" apart.



The scissors ATRS is an older design which works well but has been replaced except for very low seams with our "L" style ATRS. The "L" style is more rugged and requires less maintenance since it doesn't need to be adjusted. Retrofits are available and you can contact us to see if your machine would benefit from changing to the "L" style ATRS.



# Employee News



*Josh Murphy*

Josh Murphy was hired full time in April of 2011 after previously working for Special Metals, right next door to Fletcher. He now works in the Parts Books department gathering information and creating many of the parts books for Fletcher coal equipment.

Josh attended Southern WV Community & Technical College where he majored in Computer Information Systems and currently lives in Barboursville WV.

**MINExpo® INTERNATIONAL 2012**, held at the Las Vegas Convention Center, was a great success. The Fletcher booth stayed busy as attendees came through to see the latest Fletcher had to offer. We saw many familiar faces and made a lot of new connections with customers and vendors from all over the world.

Thank you to everyone who stopped by and to all of those involved in making Min-Expo 2012 bigger and better than ever before.



**Information on job opportunities and how to apply can be found on our website: [www.jhfletcher.com](http://www.jhfletcher.com)**  
(AA/EEO Employer)

J. H. Fletcher & Co. on the Web:  
[www.jhfletcher.com](http://www.jhfletcher.com)  
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