

# Service Bulletin

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**Machinery Affected:** *MatchPoint BLADE™*  
**Document:** SB205  
**Title:** Replacing the Gas Springs on Saw Chamber Door  
**Applies To:** All *BLADE* Saws  
**Distribution:** Customers, Upon Order



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**MiTek Machinery Division**  
301 Fountain Lakes Industrial Drive  
St. Charles, MO 63301  
Phone: 800-523-3380  
[www.mii.com](http://www.mii.com)

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Applicability	all saws
Effectivity	all saws

## Purpose and Scope

When replacing the gas springs on the *BLADE*<sup>™</sup> wood processing system saw chamber door, follow these instructions carefully. If the gas springs are installed incorrectly, they may fail prematurely.

## Overview

The parts included in this kit are shown in Table 1. Please ensure all parts are present before starting this procedure.

**Table 1: Parts in SB205KIT**

Qty.	Part Description	Part #
1	Gas spring	370575
1	Service Bulletin document	SB205

Before beginning the procedure, gather the supplies listed here:

- lock and tag
- slotted screwdriver

If, during installation, the following parts are unable to be re-used, order them using these part numbers. The parts are shown in Figure 2.

**Table 2: Additional Parts on the Finished Gas Spring Assembly**



Qty.	Part Description	Part #
2	Eyelet bracket and end cap	370562
2	Eyelet with threaded collar	370564

If you have any questions, call MiTek Machinery Division Customer Service at 800-523-3380.

## Procedure

### Electrical Lockout/Tagout Procedures





	 <b>WARNING</b>
	<p><b>ELECTROCUTION HAZARD!</b></p> <p>Verify that all power to the machine has been turned off and follow approved lockout/tagout safety procedures before performing any maintenance.</p> <p>All electrical work must performed by a qualified electrician.</p> <p>If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.</p>

Before performing maintenance on any machine with electrical power, lockout/tagout the machine properly. When working on a machine outside of the machine’s main electrical enclosure, not including work on the electrical transmission line to the machine, follow your company’s approved lockout/tagout procedures which should include, but are not limited to the steps here.

**Figure 1: Lockout/Tagout on the Main Electrical Enclosure**







1. Engage an E-stop on the machine.
2. Turn the disconnect switch handle on the machine’s main electrical enclosure to the “off” position. See Figure .

	 <b>WARNING</b>
	<p><b>ELECTROCUTION HAZARD.</b></p> <p>When the disconnect switch is off, there is still live power within the disconnect switch’s enclosure. Always turn off power at the building’s power source to the equipment before opening this electrical enclosure!</p>

3. Attach a lock and tag that meets OSHA requirements for lockout/tagout.

## Pneumatic System Lockout/Tagout Procedure

	 <b>WARNING</b>
	<p><b>MOVING PARTS CAN CRUSH AND CUT.</b></p> <p>Always verify that power to the machine has been turned off and follow approved lockout/tagout procedures.</p> <p>Turn off the air switch before performing any maintenance on the equipment.</p>

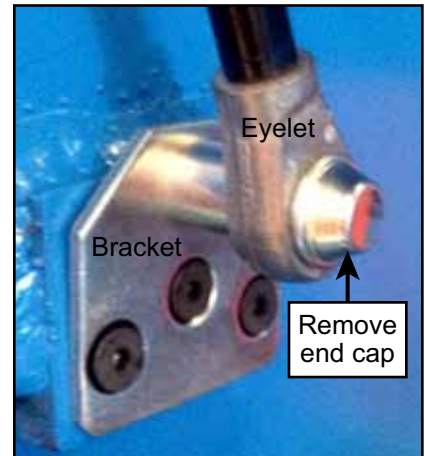
	 <b>WARNING</b>
	<p><b>HIGH PRESSURE HAZARD.</b></p> <p>Bleed pneumatic lines before performing any maintenance on the pneumatic system.</p>

## Replacing a Gas Spring

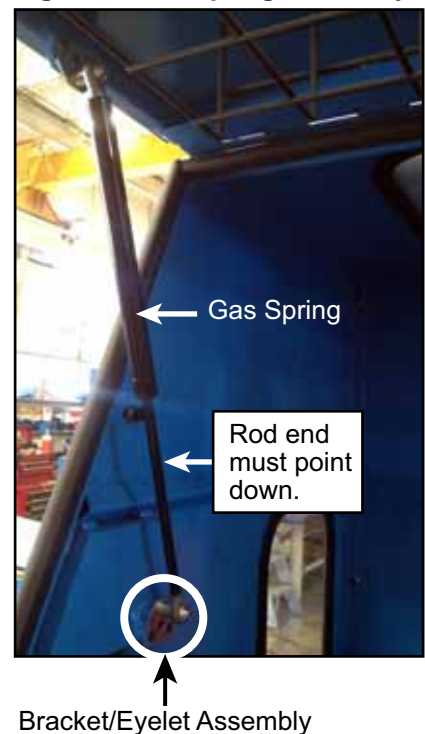


1. After performing lockout/tagout, remove the gas spring by following these steps:
  - a) Gently pry off the end cap at each end of the damaged gas spring assembly. A slotted screwdriver should be the only tool needed. Set the end caps aside for reuse.
  - b) Pull each end of the gas spring assembly off its bracket to remove the gas spring assembly.
  - c) Unscrew each of the 2 eyelets from the gas spring and set aside for reuse.
  - d) Discard the damaged gas spring, but keep all other parts.
  
2. Assemble and install the new gas spring assembly:
  - a) Screw the eyelets (from previous assembly) onto each end of the new gas spring.
  - b) Install the new gas spring, with the rod end pointing down, so each eyelet slips over its bracket.
  - c) Snap an end cap (from previous assembly) onto each bracket so they hold the gas spring assembly in place.
  
3. Inspect the second gas spring supporting the saw chamber door. If the rod end is pointing up, turn it around so the rod end points down. This will extend the life of the gas spring.
  
4. Open and close the saw chamber door to ensure it is operating correctly.

**Figure 2: Bracket and Eyelet**



**Figure 3: Gas Spring Assembly**



**END OF SERVICE BULLETIN**