MiTek®

SERVICE BULLETIN

Document ID:

SB306W

Title:

Frame Support Retrofit

Affected machinery: BLADE II™ saw
Distribution: All customers with affected machinery
Applies to: All machines with earlier frame support design (small notch)
Sensitivity: Approved for customer use

CAUTION:
MiTek recommends printing this document in high resolution using color ink. Many of the graphics may be unclear and may create an unsafe condition if this recommendation is not followed.

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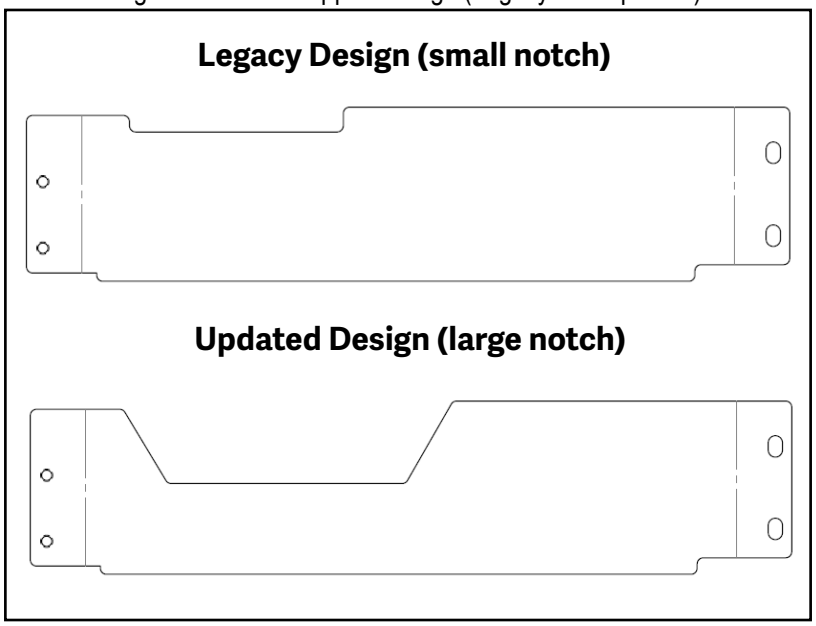
Orig. Approved By	R. Tucker

Purpose and Scope

This service bulletin instructs how to replace the frame support (small notch) used in earlier BLADE II saws with an updated frame support (large notch). See Figure 1 for a comparison. This larger notch helps prevent potential collisions between the frame support and other moving components.

Figure 1: Frame Support Design (Legacy and Updated)



Overview

Parts Included

The parts included in this kit are shown in Table 1. Please make sure all parts and supplies are present before starting the procedure.

Table 1: Parts in SB306WKIT

Quantity	Description	Part #
1	Frame Support (larger notch)	76229
1	Service bulletin document	SB306W

If you have any questions, call MiTek Automation Support at 1-800-523-3380.

Supplies Needed

- Hex key set

Lockout/Tagout Instructions

Electrical Lockout/Tagout Procedure

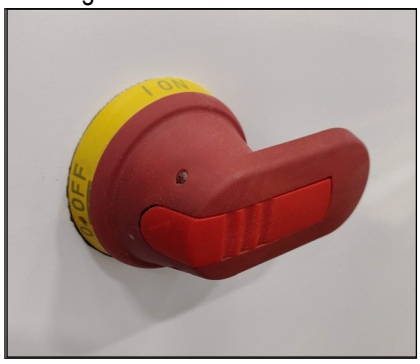
The lockout/tagout instructions for the electrical systems will be referenced as necessary in this document. Service Bulletin instructions start on page 5.

Working on a Machine Outside the Machine's Main Electrical Enclosure

	⚠ WARNING
	**ELECTROCUTION HAZARD.** **All electrical work must be performed by a qualified electrician.** **Verify that all power to the machine has been turned off and follow approved lockout/tagout safety procedures before performing any maintenance.** **If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.** **When the disconnect switch is off, there is still live power within the disconnect switch's enclosure. Always turn off the power at the building's power source to the equipment before opening this electrical enclosure.**

1. If applicable, close machine software and shut down the PC using the **Power** > **Shut down** method in Windows.
2. Engage an E-stop on the machine.
3. Turn the disconnect switch handle to the Off position (Figure 2). This is usually required to open the main electrical enclosure's door.
4. Open the door to the enclosure and use a multimeter to verify that the power is off.
5. Close the enclosure door and attach a lock and tag that meet OSHA requirements for lockout/tagout.

Figure 2: Disconnect Switch



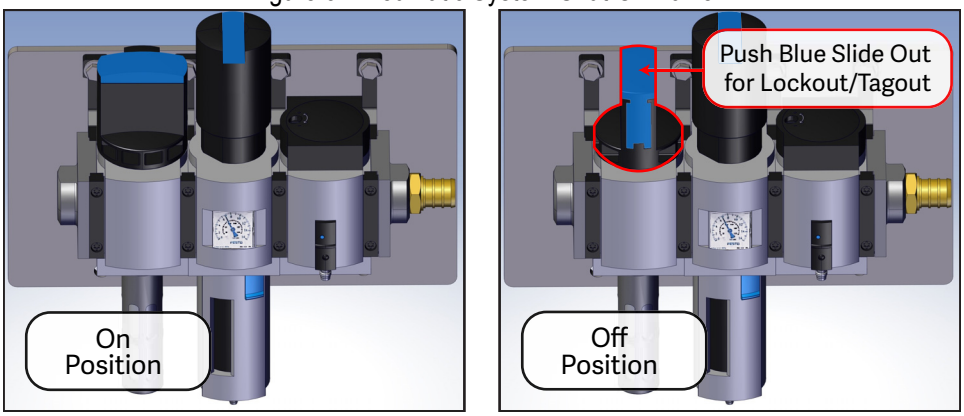
Pneumatic or Hydraulic System Lockout/Tagout Procedure

The lockout/tagout instructions for the pneumatic or hydraulic systems will be referenced as necessary in this service bulletin.

	⚠ WARNING
	**HIGH PRESSURE HAZARD.** **Bleed pneumatic lines before performing any maintenance on the system.** **Working on pressurized lines may cause injury.**

After lockout/tagout of the electrical power, turn off or close the system's air shut-off valve and attach a lock and tag. See Figure 3.

Figure 3: Pneumatic System Shut-Off Valve



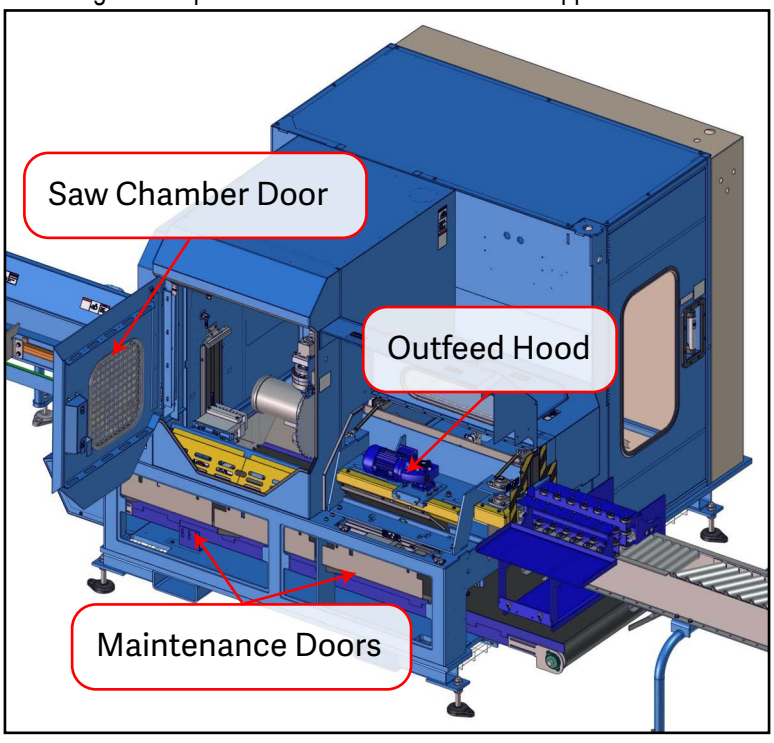
Procedure

Removing and Replacing the Frame Support

	**⚠ WARNING** **MOVING PARTS CAN CRUSH AND CUT.** **Always verify that power to the machine has been turned off and follow approved lockout/tagout procedures.**

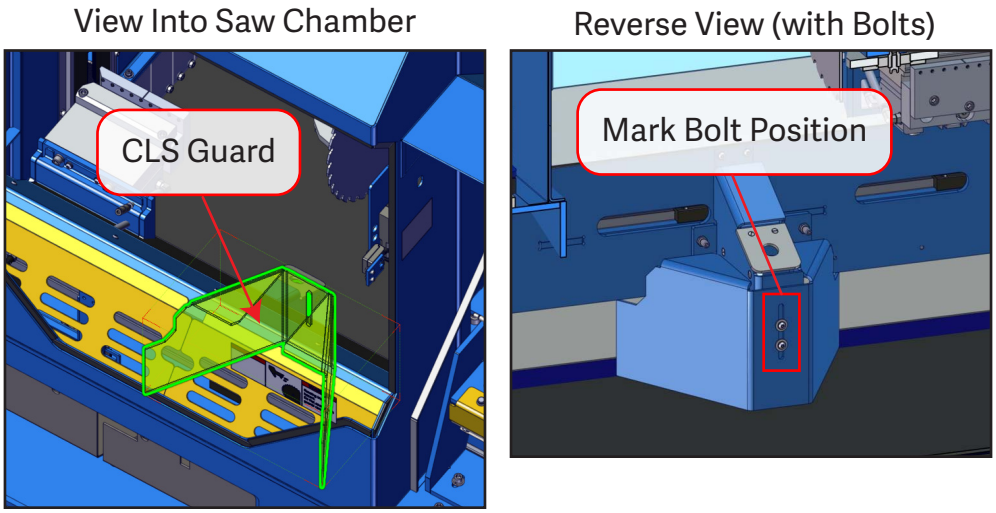
1. Move the LASM to the infeed end of the machine.
2. Open the saw chamber door using the open-door pushbutton on the handle (Figure 4).
3. Lockout/tagout the electrical and pneumatic systems of the machine using the Lockout/Tagout Instructions on page 3.
4. With power locked out as previously described, open the outfeed hood. and remove both maintenance doors from the front side of the saw (Figure 4).

Figure 4: Open / Remove Doors for Frame Support Access



5. Inside the saw chamber, mark the position of both bolts on the front of the CLS guard with a marker so that the guard can be re-installed at the same position.
6. After marking the position of the bolts, remove the 2 bolts securing the CLS guard and remove it. Set aside bolts for reuse.
   - The guard must be removed in order to remove the dust strays in the next step.

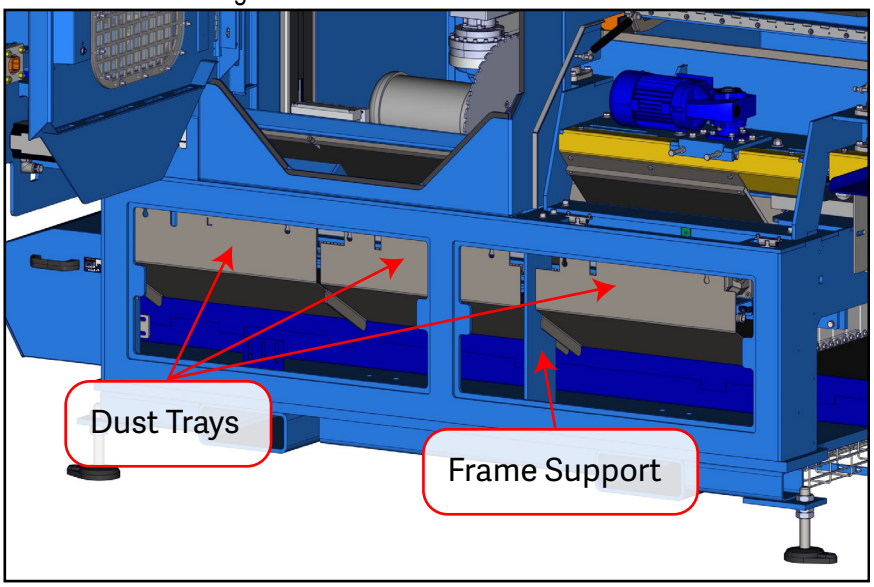
Figure 5: CLS (Crooked Lumber Sensor) Guard Removal



7. To access the frame support, remove the 3 dust trays and set aside bolts for reuse (Figure 9).

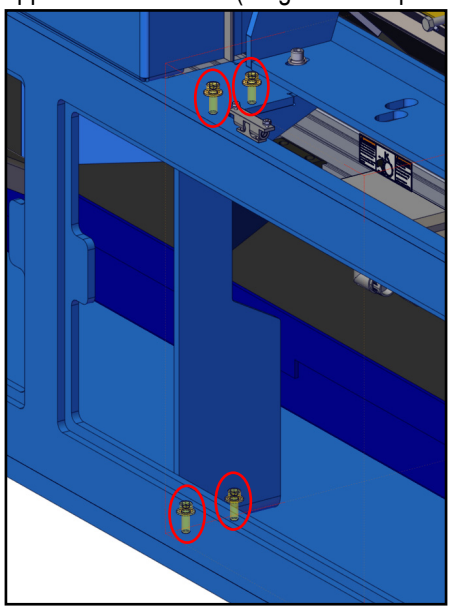
	NOTICE
	Be careful not to damage any electrical cables or pneumatic lines when removing or reinstalling components during this procedure.

Figure 6: Metal Guards and Vertical Brace



8. Remove the 4 bolts securing the existing frame support (small notch) and set aside bolts for reuse (Figure 7).

Figure 7: Frame Support Bolt Locations (Large Notch Updated Design Shown)



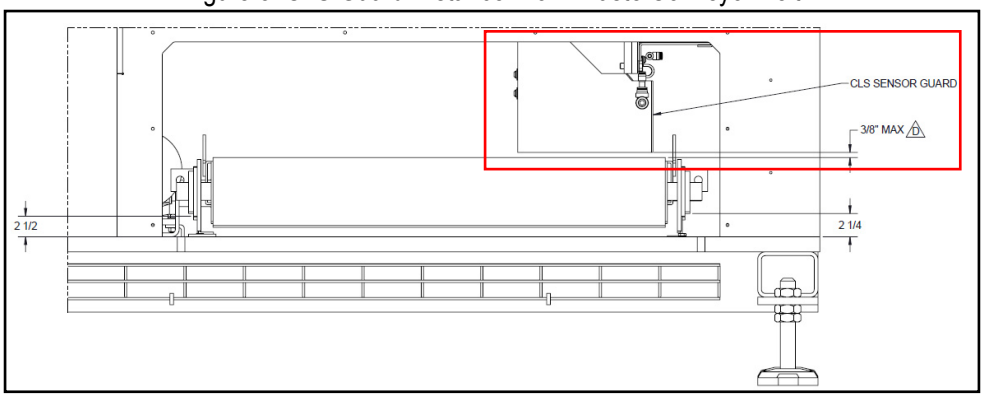
9. Install the updated frame support (large notch) using the same bolts set aside earlier (Figure 7).
10. Reinstall the 3 dust trays using the same bolts set aside earlier.

NOTICE

Be careful not to damage any electrical cables or pneumatic lines when removing or reinstalling components during this procedure.

11. Using the marks on the guard to match the original positioning, reinstall the CLS guard with the 2 bolts removed earlier.
12. Before proceeding, verify the guard has bee re-installed no higher than 3/8" above the waste conveyor belt (Figure 8)

Figure 8: CLS Guard Distance From Waste Conveyor Belt



13. Close the saw chamber door and outfeed hood. Reinstall both maintenance doors.
14. Remove lockout/tagout devices and power on the saw.

END OF SERVICE BULLETIN