



# Knox Kershaw Inc.

Improving the Productivity of Railway Track Maintenance  
11211 Trackwork Street, Montgomery, Alabama 36117  
(334)387-5669, 1-800-221-4137

## SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

**DATE:** 9/27/12

**BULLETIN NO:** 89

**TITLE:** Locking Systems

**RATING:**  **Directive**  
(Action Is Required)

**Alert**  
(Potential Problem)

**Information**  
(Action Is Optional)

**Product Improvement**  
(Enhance Product)

**PRODUCT SERIES/MODEL:** All KKI machines

**SUMMARY:** It is necessary to continuously monitor the locking systems on all machines to assure they securely lock the attachments in the stowed position. Any malfunctions or worn parts should be remedied immediately.

**ACTION:** Verify the proper operation of the locks, and inspect all component parts for wear. On machines that use spring loaded air cylinders to operate locks, inspect cylinder spring tension to be sure the locking bars are adequately forced into position. Check to be sure all pivots are free and not binding.

If the locks use electrically controlled air valves, verify that locks go into a "locked" position when all electrical power is removed from the valves.

See sheet #2 for a detailed procedure of how to check the locking systems for correct function.

Operators should follow procedures outlined in the machine manuals including slowly lowering the attachment to rest on the locks (after locking the attachment in the stowed position).

Operators should constantly be aware of all locking systems and any problems should be immediately addressed. If there are any questions, please notify Knox Kershaw Inc. at 334-387-5669



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## **Procedure to Check Broom / Plow Locks :**

1. Use the Plow UP / DOWN control to fully raise the plow. Once the plow assembly is in the fully “UP” position, use the Plow Lock switch to lock the plow in the ‘UP’ position (lock “on”).
2. Use the Broom UP / DOWN control to fully raise the broom. Once the broom assembly is in the fully “UP” position, use the Broom Lock switch to lock the broom in the ‘UP’ position (lock “on”).
3. Turn off the engine using the ignition switch on the operator’s console.
4. Once the engine has been shut down, visually observe the locks to be sure they remain in the ‘Lock’ position.
5. To verify the locks are still in the locked position, start the engine and slowly lower the plow and broom. Both attachments should lower slightly until they rest in the locks.
6. If the plow and / or broom lower completely (not resting in the locked position), the locking system is not working properly. It is necessary to find the malfunction and remedy the situation immediately. Call Knox Kershaw Inc at 334-387-5669 for assistance.

Note: This procedure as written applies to a Ballast Regulator. Obviously, for a Double Broom, locks on both brooms will be checked (instead of a plow and broom).