Parts & Service **Bulletin**

To: **All Distributors**
Regional Sales Managers and National Sales Manager

From: **Technical Development Manager**

Model: **AU & AGR**

Subject: **Right-Hand Arm Chain Inspection & Adjustment Procedure**

The Labrie Automizer and Alleygator Right-Hand (AGR) are both equipped with a reliable loading arm called the Right-Hand arm. This arm can reach positions of up to 12 feet from the hopper and lift up to 1,000 pounds fully extended.
To keep the arm in good working order and to reduce the amount of down time and risk of accidents, the arm chains should be inspected and adjusted periodically.

The Right-Hand arm is available in both Standard and Heavy-Duty versions. The inspection and maintenance procedures are the same for both with a few minor exceptions noted in the procedures below.

Inspection:
During the daily arm inspection, which is detailed in the appropriate operator's manual, the operator should check the following with the arm in the fully lowered position:

- Ensure the lift arms are in contact with the bumpers installed on the end of the rail. (Reference Figure 1)
- Grasp the lower chain adjusters by hand and try to move up/down and side to side. (Reference Figure 2)

If the lift arms are not in contact with the bumpers or there is any movement in the lower chain adjusters, the arm chains should be adjusted immediately.

If arm chain adjustment in necessary, refer to the procedure outlined on Page 2.

NOTE: Be sure to follow all appropriate lockout tag out procedures and work instructions as contained in service and repair manuals as well as your standard shop/facility procedures before attempting this procedure.

Adjustment:

Do not stand directly in the path of the arm while carrying out these adjustments.

Step 1: Partially extend arm to access rear cover bolts and ensure grabber is fully lowered.

Step 2: Remove chain access cover using 1/2" socket wrench for upper bolts and 3/16" hex key for lower bolt.

Step 3a: (Standard Right-Hand arm) Remove nut retainers at all four adjustment positions with a 1/2" socket wrench. (Reference Figure 3)

Step 3b: (Heavy-Duty Right-Hand arm) Loosen jam nuts 2-3 turns at all four adjustment positions with a 1-1/2" socket wrench. (Reference Figure 4)

Step 4: Loosen adjuster nuts 2-3 turns at all four adjustment positions with a 1-1/2" socket wrench. DO NOT remove the nuts. If adjuster nuts do not turn freely the adjuster clevis and nuts should be replaced before completing adjustment.

Step 5: Inspect bumpers (if equipped) installed on the end of the rail, if badly worn, replace both bumpers before completing adjustment.

Step 6a: (Standard & Heavy-Duty Right-Hand arms with bumpers)
Tighten both top adjuster nuts with a 1-1/2" socket wrench until the lift arms are in contact with the bumpers. (Reference Figure 1)

Step 6b: (Standard Right-Hand arms without bumpers)
Tighten both top adjuster nuts with a 1-1/2" socket wrench until you achieve a target measurement of 6" from the front face of the mast to the lift arms. (Reference Figure 5)

Step 7: Measure the distance from the front face of the mast to both lift arms with a straight-edge and tape measure to verify the lift arms are parallel with each other. Tighten upper adjuster nuts as necessary to make them equal distance.
(Reference Figure 6)

Step 8: Raise the grabber to the fully raised and dumped position.

Step 9a: (Standard Right-Hand arm) Torque the lower adjuster nuts using a torque wrench and 1-1/2" socket set to 40 lbs-ft.

Step 9b: (Heavy-Duty Right-Hand arm) Torque the lower adjuster nuts using a torque wrench and 1-1/2" socket set to 80 lbs-ft.

Step 10: Lower the grabber to the fully lowered position to verify the lift arms are in contact with the bumpers and both lift arms are still parallel with each other. If lift arms are not parallel the adjustment will need to be performed again.

Step 11: Raise and lower the grabber several times to verify smooth operation.

Step 12a: (Standard Right-Hand arm) Reinstall the adjuster nut retainers with a 1/2" socket wrench.

Step 12b: (Heavy-Duty Right-Hand arm) Tighten the adjuster jam nuts with a 1-1/2" socket wrench.

Step 13: Reinstall the chain access cover with a 1/2" socket wrench for the upper bolts and 3/16" hex key for the lower bolt.

Fig. 1

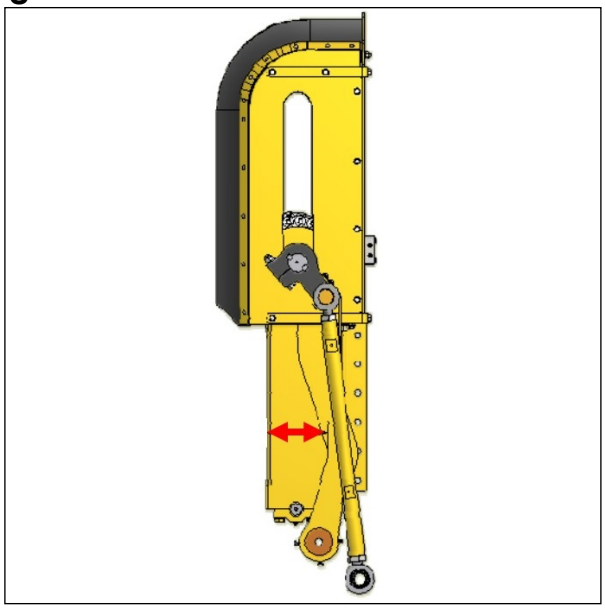
Fig. 2

Figure 3

Figure 4

Figure 5

Figure 6



Please contact the LabriePlus Service Department at (800) 231-2771 with any questions or for further information.