REVERSER KIT [A292] FOR MKX100 AND X100 SERIES AUGER MODELS
INSTALLATION INSTRUCTIONS

Before starting installation:

• Familiarize yourself with all the required hardware.
• Arrange all parts for easy access.

Refer to the assembly and operating manual for assembly safety and operating instructions.

PRE-INSTALLATION INSTRUCTIONS

1. Lower the auger to full down position, and disconnect the tractor from the auger (PTO shaft, hydraulic lines, and hitch).
2. Chock the auger wheels to prevent rolling.
3. Lower the swing hopper fully to the ground.
4. Remove the PTO driveline from the auger.
5. Remove the sprocket shield from the boot.
6. Remove the drive chain from the front of the boot.

REVERSER KIT INSTALLATION

1. Locate mounting holes “X” and “Y” (see Figure 1). Knock the steel plugs out of these holes using a punch and hammer.

Note: If the boot does not have the required holes for mounting the reverser bracket, drill the holes using the provided template (see Figure 2) or contact customer service for further assistance.

2. Install the reverser base with two 1/2” x 1” bolts and locknuts (see Figure 3). Do not tighten until step 5.
3. Install the half-link on roller chain and place chain over upper and lower sprockets, passing it through the reverser base.
Figure 1 Locating Reverser Bolt Holes

Figure 2 Drilling Reverser Bolt Holes Using Template

Align template and shield holes. Fasten a 5/16" x 3/4" bolt to secure the template in place.

* Use 3/16" drill bit to drill pilot holes, then remove the template and use 33/64" drill bit.
Figure 3 Fastening Reverser Base to the Boot

4. Join the two ends of the chain together using the half link and the connector link.

5. Push the reverser base against the chain as tight as possible and tighten the two 1/2" x 1" bolts.

Note: It may be necessary to loosen the lower bearing and raise the lower sprocket to get proper chain wrap on the reverser sprocket.

6. Install the splined coupler on the flight shaft using a 1/4" x 3-3/8" square key and secure using a 5/16" x 2" roll pin.

7. Facing the front of the boot, install the shield bracket onto the upper right boot mounting hole using one original 5/16" x 3/4" bolt.

CAUTION

Protect yours eyes when tapping in the roll pin.
8. Install the new sprocket shield using the three remaining original 5/16” x 3/4” bolts (see Figure 4). Discard the old sprocket shield.

9. Attach the new (longer) PTO saddle to front of boot face with the original 1/2" x 1-1/4" bolts and locknuts.

10. Fasten hitch extension to tow bar with one 3/4" x 2" bolt and locknut and one 5/8" x 4-1/2" bolt and locknut (see Figure 4).

11. Install the splined stub shaft on the PTO driveline using a 1/4" x 1-3/4" square key and 5/16" x 2" roll pin. Use a thread locking compound on setscrews to install and tighten them securely.

12. Install the new shield onto the boot as shown in Figure 4.
Figure 4 Reverser Assembly Details (Splined Shaft, Coupler, Shield, and Hardware)
REVERSER OPERATING & SAFETY INSTRUCTIONS

Note: Additional to instructions in operation manual. Read and understand all instructions before operating auger.

BEFORE OPERATING IN THE NORMAL FORWARD MODE:

1. The stub spline on the PTO driveline must be inserted into the lower spline coupler and securely locked into place.
2. Make certain the clean-out cover is secured into place on the boot before operating.

Note: All safety shields must be in place before operating.

TO OPERATE IN THE REVERSE MODE

1. Insert the stub spline on PTO driveline into the upper spline coupler, making certain it is securely locked into place.
2. Open clean-out cover fully before operating in reverse mode.
3. Operate auger slowly in reverse for a short period of time. DO NOT EXCEED 100 RPM.
4. When boot is nearly full, shut off and lockout power then clean out grain from boot using a stick. DO NOT USE HANDS. Repeat above procedure as needed.

Important: The Reverser kit is not designed to assist in unplugging auger. When operating in the reverse mode, auger must be monitored to prevent boot from overfilling. Excessive back pressure will cause extensive damage to the auger, which is not covered by warranty.

CAUTION

- Keep children and all unauthorized personnel clear of work area.
- Shut down and lock out all power before emptying boot.
- Shut down and lock out all power before changing to forward or reverse modes.
- Ensure that PTO driveline is securely attached before operating.
- Do not exceed reverse operating speed of 100 RPM.
- Do not exceed forward operating speed of 540 RPM.
- Keep body, hair, and clothing away from all moving parts, including PTO driveline.