Optional Low Profile Hopper
Assembly Instructions

Use these instructions for installing the low profile hopper to your auger, instead of following the instructions listed in the manual.

SWING-OUT HOPPER AND INCLINE TUBE ASSEMBLY

Step 1. Install the hopper wheels with the four (4) 5/8" x 9 3/4" long pins, four (4) 13/16" spacer bushings and four (4) 2" hair pin cotter. Install the hopper wheels such that the front wheels are tilted inward toward the incline tube and the rear wheels are tilted away from the hopper chain guard. Place the spacer bushings between the wheels and hopper body.

NOTE: There are two installation heights for the hopper wheels. For the shortest hopper profile, use the upper set of holes.

Step 2. Bolt the incline tail stub into the incline flight using four rubber sleeves, two hex head capscrews, flat washers and locknuts. 10" Models use 7/16" x 3 1/2" long (grade 5) hex head capscrews. 12" Models use 1/2" x 4" long (grade 5) hex head capscrews. Refer to Fig. 56 in the 10" manual or Fig. 56 in the 12" manual for assembly detail of this step.

IMPORTANT: Tighten locknuts so the flat washers are firmly against the rubber sleeves. DO NOT tighten so tight that the flat washers are against the flight tube. Leave about 1/16" gap.

NOTE: The hopper power shaft is preassembled in the swing-out hopper. In the assembly drawing, this part is exploded away from the hopper to better show the proper assembly of the other components.
SWING-OUT HOPPER AND
INCLINE TUBE ASSEMBLY - CONT.

Step 3. Fasten the CV-joint to the incline tail stub using one 3/8" x 3" long (grade 5) hex head cap screw.

Step 4. Insert CV-joint onto the hopper power shaft with a 1/4" x 1" square key. Leave setscrew on this end of the CV joint loose.

Step 5. Fasten the lower end of the incline tube to the front of the swing-away hopper. Use two 1/2" x 1 1/2" long (grade 5) hex head cap screws, flat washers and nylon lock nuts. NOTE: Install bolt heads onto the inside and DO NOT tighten completely. The coupler box must be allowed to pivot.

Step 6. Tighten CV-joint setscrew that was left loose in step 4.

Step 7. Bolt hinged cover to the front of the swing-out hopper using three (3) 5/16" x 3/4" long (grade 5) hex head cap screws, flat washers and nylon lock nuts.

Step 7. Install cover strap over lid onto 3/8" stub (welded to box on lower end of the incline tube). Hold the straps on the stud with 3/8" nylon lock nuts.

IMPORTANT: DO NOT tighten the nuts down. The hinged cover must be able to slide the strap when the incline tube is tilted at different angles.

SWING-OUT HOPPER
RUBBER BELTING ASSEMBLY

Step 1. Install the rubber belting into the inside of the swing out hopper. Use ten (10) long and four (4) short attachment clips to install the belting. Two (2) 1/4" x 1" long hex head cap screws and nylon lock nuts are used for each clip. Loosely attach each clip with points of clips up and with bolt heads inside the hopper. Use bolt holes positioned around upper edge of hopper.

Step 2. Set the belting inside the clips with the belting edge resting on the hinged. The belting does not go completely across the output end of the hopper. The belting is notched to accommodate the center guard support at the rear of the hopper. Begin installing the belting at this point and work each way toward the hopper discharge. Keep the belting end within 1 inch of the clip end. Position the belting evenly around the hopper and through the corners.

Step 3. Tighten the bolts and nuts to where the clip points draw into the belting and the smooth edge of the clips is in contact with the belting.