The following instructions are to be used for assistance with the set-up and installation of equipment, accessories, and serviceable parts used on this machinery and are not meant to replace any operating or safety procedures as outlined in the Operator's Manual included with the auger.

This safety symbol is used throughout these instructions to alert you to information about unsafe actions or situations, and will be followed by the word DANGER, WARNING, or CAUTION. Be Alert! Your safety and the safety of others is involved.

**DANGER** - Indicates immediate hazards that may result in severe injury or death.

**WARNING** - Indicates unsafe actions or situations that may cause severe injury, death and/or major equipment or property damage.

**CAUTION** - Indicates unsafe actions or situations that may cause injury, and/or minor equipment or property damage.

**BACKING PLATE KIT, PART NO. 1037025**

for

**8” and 10” Swing-Away Low Profile Hoppers**

**with Single Rear and Dual Rear Wheels**

The backing plate can either be welded or bolted to the rear hopper panel. If bolting the plate to the hopper, it may be necessary to remove the rear stub shaft from the hopper flight in order to have access when installing the bolts that attach the backing plate to the hopper.

If welding the backing plate to the hopper, the shaft does not have to be removed. The following instructions will denote the assembly procedures for each of these methods.

**Install Backing Plate (Weld On)**

1. Remove the hair pin securing the rear wheel to the hopper panel and remove wheel and spacer as shown in Fig. 1 (if hopper has dual wheels, remove these as well).

2. Remove and retain the hardware securing the flangette bearing and remove bearing from shaft.

3. With the notch side down, position the backing plate over the three bearing bolts and slide against the hopper panel. Mark the edges around the backing plate so the paint can be removed from these areas for welding (See Fig. 1 for welding locations). **Do Not weld completely around the backing plate as this may cause excessive warping of the hopper panel.**

   Remove the backing plate and remove any paint, grease and dirt from the marked areas.

4. Reposition the backing plate and install the hardware previously removed to hold plate into position while it is being welded into place.

   Weld the backing plate into place.
Install Backing Plate, Bolt On (con't.)

7. Reinstall the stub shaft, or slide hopper into position and reattach to the coupler box. Install the flangette bearing and secure into place using the hardware previously removed.

8. Reinstall the wheel(s) to the rear side of the hopper.

Install Backing Plate (Bolt On)

**CAUTION!** To prevent serious injury, always use the proper personal protective gear when working with metal materials, i.e. safety glasses, gloves, ear protection, etc.

1. Remove the hair pin securing the rear wheel to the hopper panel and remove wheel and spacer as shown in Fig. 2 (if hopper has dual wheels, remove these as well).

2. Remove and retain the hardware securing the flangette bearing and remove bearing from shaft.

3. It may be necessary to remove the stub shaft in order to get the bolts that attach the backing plate to the hopper panel inserted properly. Temporarily position the backing plate (notch side down) onto the three bearing bolts and determine if all four backing plate bolts can be inserted without having to remove the stub shaft.

   If necessary, remove the two bolts securing the stub shaft to the hopper flight and remove the shaft. If the shaft cannot be removed by removing the two bolts, it will be necessary to disconnect the coupler box (incline tube end) from the hopper and slide the hopper away from the coupler box far enough to allow the stub shaft to clear the bearing opening (the hopper flight will remain attached to the incline flight allowing just the hopper to be pulled away).

4. With the notch side down, position the backing plate over the three bearing bolts and slide against the hopper panel. Install the bearing mount hardware hand tight to hold the backing plate in position.

   Mark or center punch the four mounting holes for the backing plate. Remove backing plate and drill a 13/32" dia. hole through the hopper panel at each marked location.

5. Carefully clean up all metal filings and if necessary, file off any sharp edges around the holes that were drilled through the panel.

6. Install the backing plate and secure using four (4) 3/8" x 3/4" bolts and nylon locknuts (bolts will be inserted from the inside of the hopper).

Install Backing Plate, Weld On (con’t.)

5. Allow the area to cool, then reinstall the flangette bearing to the flight shaft and secure using the hardware previously removed. Reinstall the wheel(s) to the rear side of the hopper.

**Install Backing Plate Kit, Part No. 1037025**

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Part No.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>1036982</td>
<td>Backing Plate</td>
</tr>
<tr>
<td>2</td>
<td>33309</td>
<td>Bolt, 3/8-16 x 3/4&quot; G5 PLT</td>
</tr>
<tr>
<td>3</td>
<td>33136</td>
<td>Nut, 3/8-16 Nylon Lock PLT</td>
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</tbody>
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