GSI GROUP
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If you are using a 2 HP motor (3EL5110 or 3EL5111) with short augers, installing counterweights will assist forward motion around the bin by increasing the traction between the drive wheel and drive track.

Prior to installing the counterweights, the position of the pivot bracket to the track assembly must be moved from the 2 HP position back to the 1.5 HP position.

To Reposition the Pivot Bracket

1. Temporarily brace the rail frame. This will remove the weight of the machine from the pivot bracket.
2. Remove the bolts connecting the pivot bracket to the track assembly.
3. Remove the frame rails.
4. Turn over the pivot bracket (A) and install it into the 1.5 HP position using the previously removed bolts. *See Figure 1* to view the **incorrect** positioning of the pivot shaft in the slot cut-out of the track assembly (B).

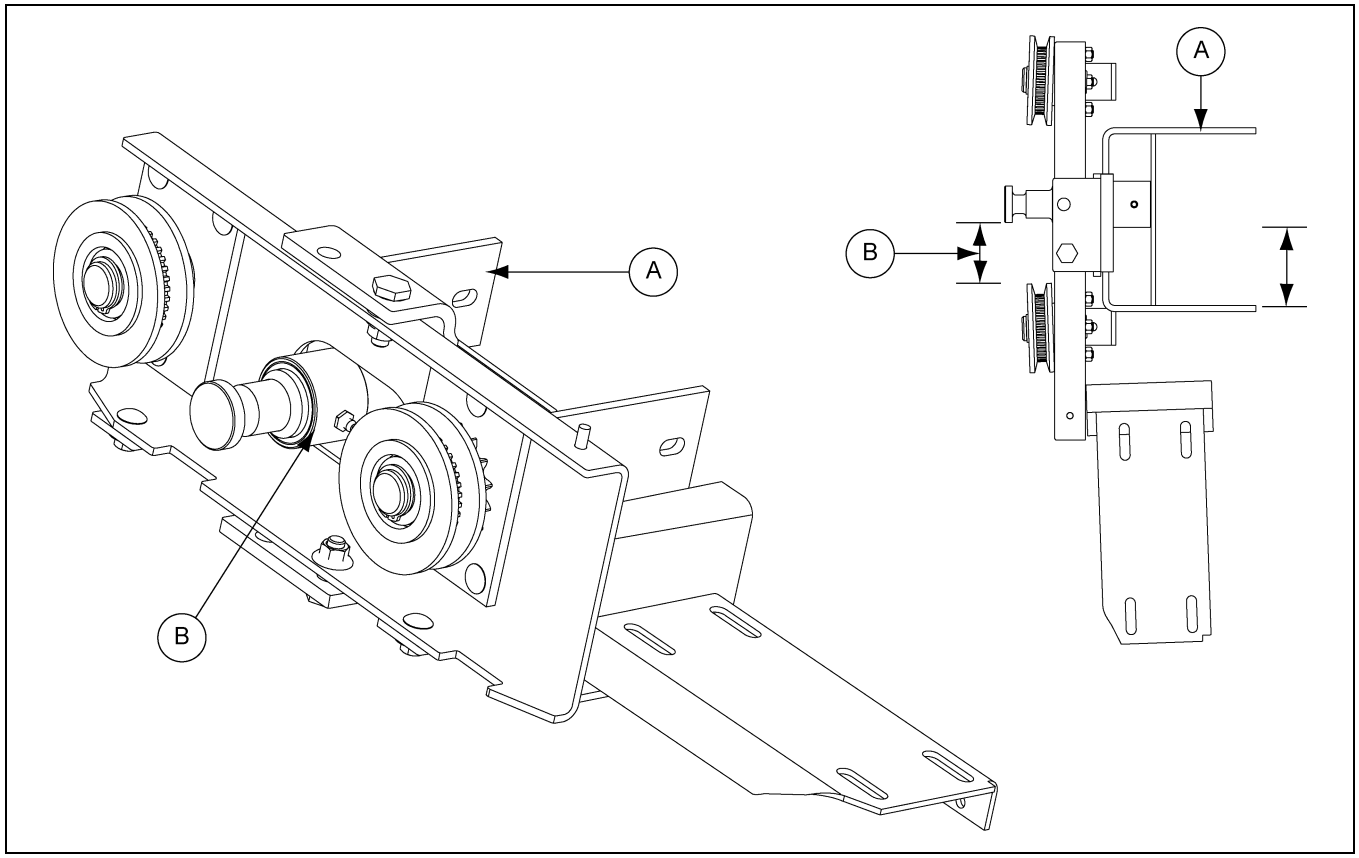

Figure 1 *Current, Incorrect Position*

Ref #	Description
A	Pivot Bracket in the 2 HP Position
B	Incorrect Pivot Shaft Position

PNEG-1911

To Reposition the Pivot Bracket (Continued)

5. Verify the pivot bracket is positioned **correctly**. It will have a greater offset distance and be located on the same side of the machine as the down auger (C) and the pivot shaft will be positioned next to the gear motor in the slot (D). *(See Figure 2.)*

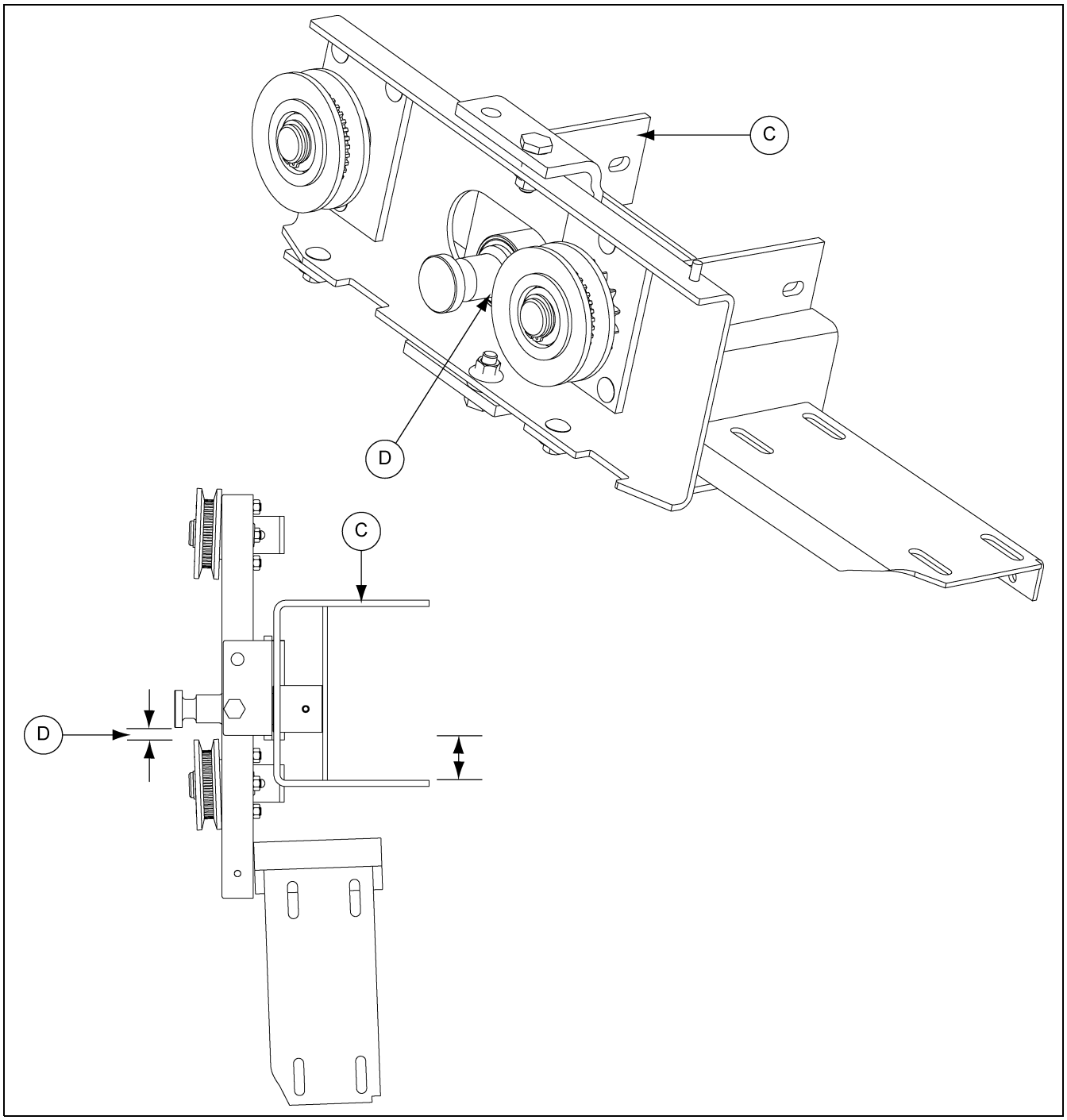

Figure 2 *Correct, 1.5 HP Position*

Ref #	Description
C	Pivot Bracket in the 1.5 HP Position
D	Correct Pivot Shaft Position

To Install the Counterweights

Horizontal position of the weight arms can vary depending if the unit has 2 or 3 down augers. Make sure the installation location allows access to tighten the bolts (E).

1. Drill four (4) 1/2" holes into the side flanges of the trolley frame, two (2) holes per flange (F). Locate the holes 5" apart. *(See Figure 3.)* **NOTE:** *You may use the lower angle brackets as a template.*
2. Bolt the lower angle brackets to the trolley frame using bolts (G). *(See Figure 4 on Page 4.)*
3. Attach the support arms (G) to the lower angle brackets (H) using the supplied flange bolts. *(See Figure 5 on Page 5.)*
4. Use the two (2) long bolts to secure the weights to the support arm.

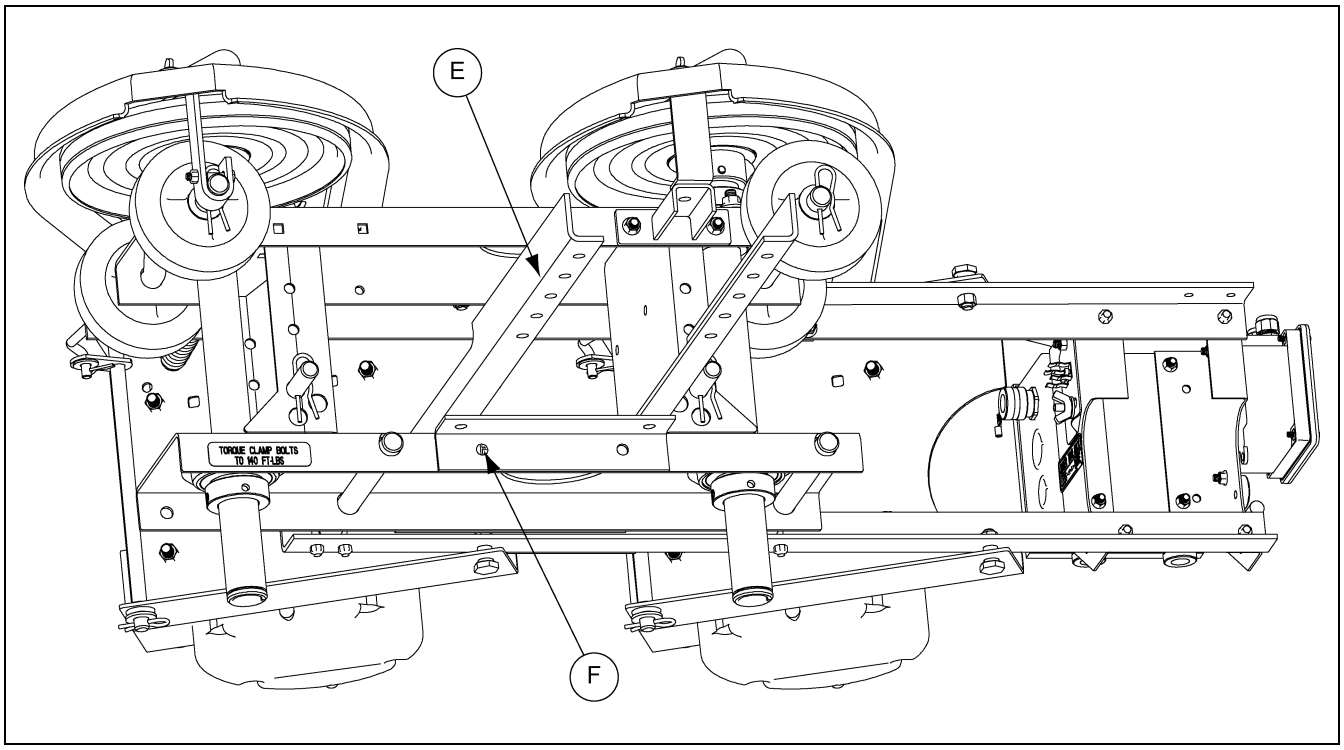

Figure 3

Ref #	Description
E	Horizontal Position of Weight Arms
F	Field Drilled Holes in Frame

To Install the Counterweights (Continued)

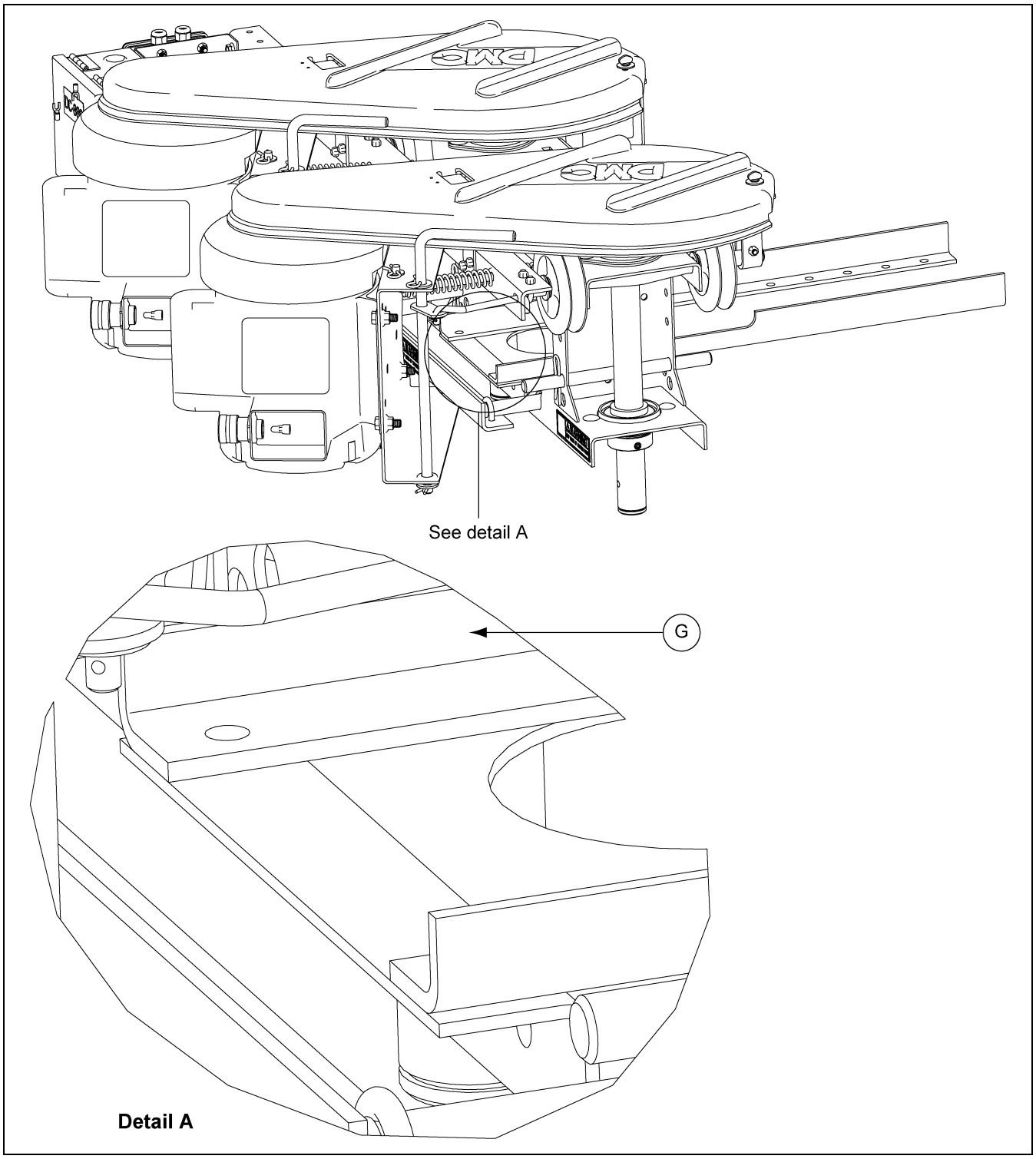

Figure 4

Ref #	Part #	Description
G	106B327	Support Arm
G	106B328	Support Arm

Bolt Pattern for Mounting Angle Support Arms

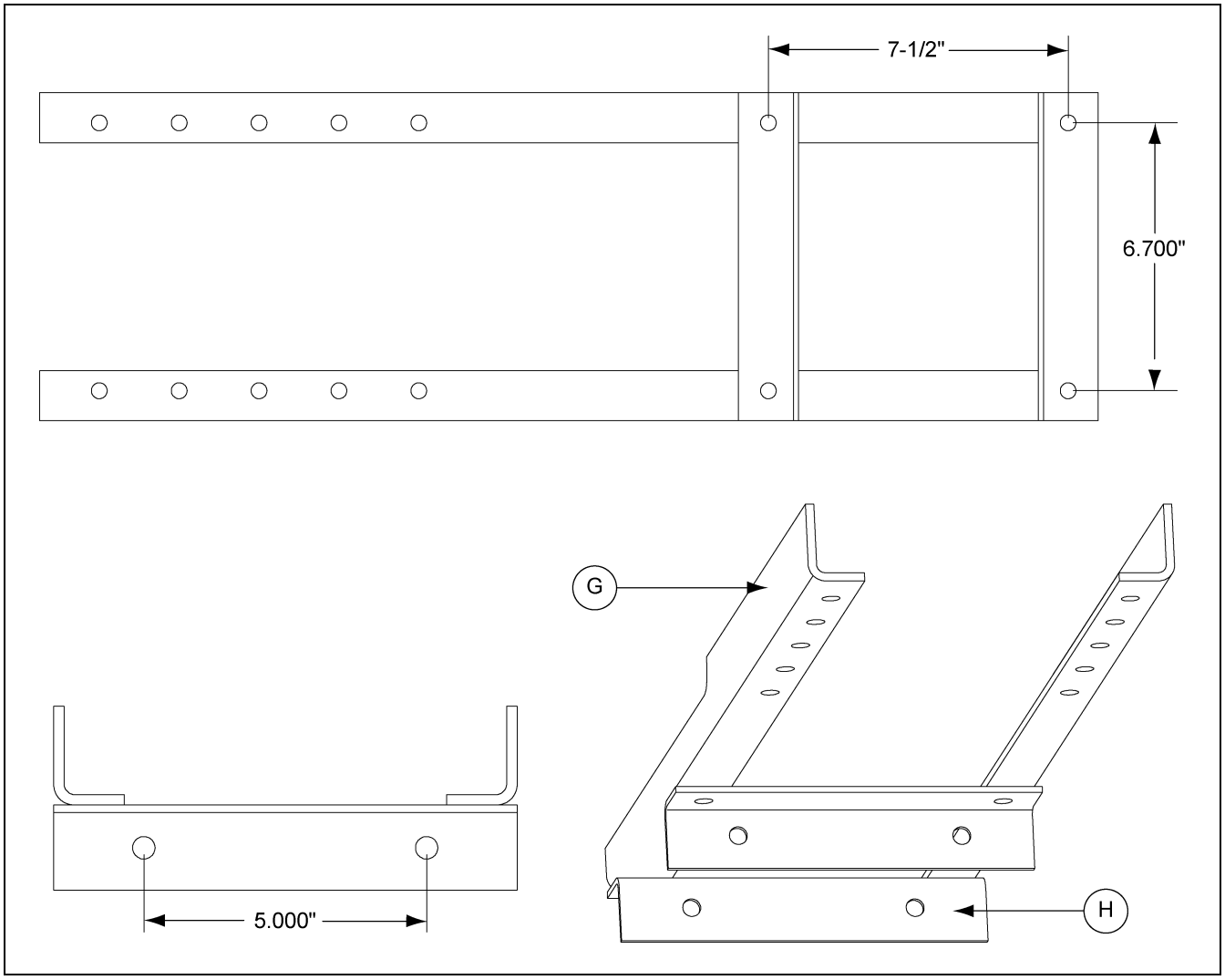

Figure 5

Ref #	Part #	Description
G	106B327	Support Arm
G	106B328	Support Arm
H	106B329	Lower Angle

Stir-Ator Counterweights Installation

The following are the recommended hole locations and weight amounts for each type of machine.

Double Auger		
# of Motors Replacing	**Hole Locations ***	**# of Weights ***
0	3	5
1	2	3
2	No Kit Needed	

Triple Auger		
# of Motors Replacing	**Hole Locations ***	**# of Weights ***
0	5	6
1	3	5
2	2	3
3	No Kit Needed	

* Varying types of grain and varying lengths of down auger may require a slightly different weight configuration. Auger trail-back can be increased by adding more weight at the given locations or by moving to new locations further from the trolley. Hole locations are called out in *Figure 6*.

The *Figure 6* shows the hole locations by their called out numbers.

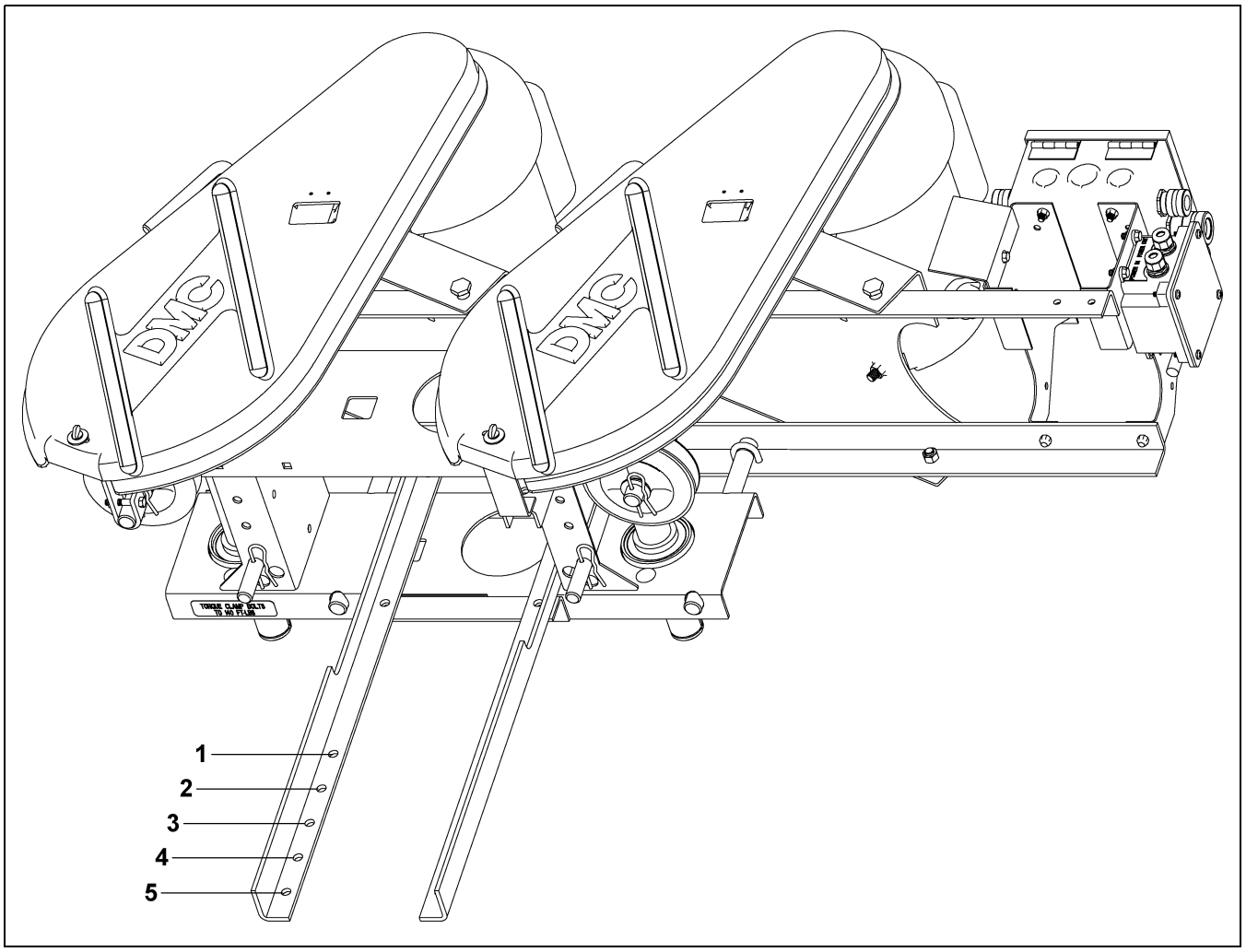

Figure 6