

# Back-Saving Geared-Head Rotisserie Engine Stand



If you are experiencing problems upon installation—  
DO NOT RETURN THIS PRODUCT!

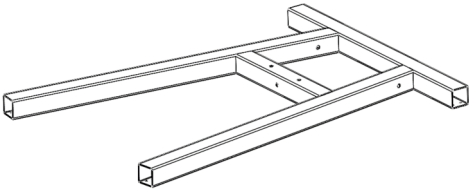
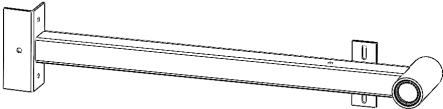
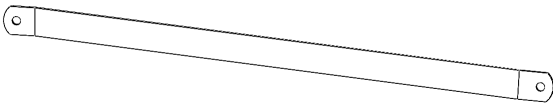
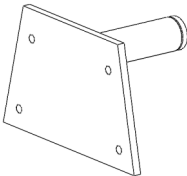
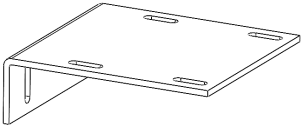
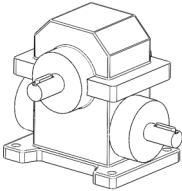
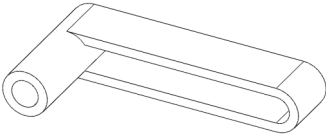

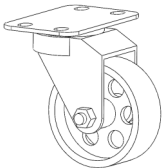
**Most installation problems can be easily solved.**

First contact technical support at:

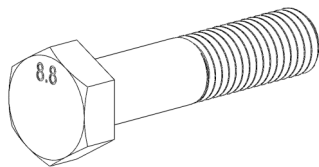
**Service@mechman.com**

**1 (888) MECHMAN or 865-522-6166**

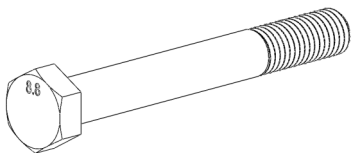
# Included Components:

	Base	1x
	Vertical Column	1x
	Support Brace	2x
	Rotating Head	1x
	Gearbox Stand	1x
	Gearbox	1x
	Mounting Arm	4x
	Handle	1x
	Caster	4x

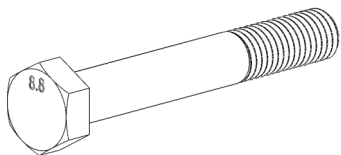
# Included Hardware



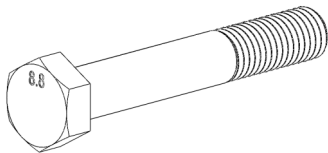
M14-2 x 65mm Hex Bolt 4x



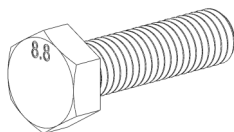
M12-1.75 x 100mm Hex Bolt 1x



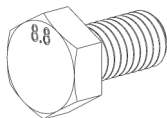
M12-1.75 x 85mm Hex Bolt 3x



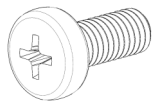
M12-1.75 x 80mm Hex Bolt 2x



M8-1.25 x 30mm Hex Bolt 6x



M8-1.25 x 16mm Hex Bolt 16x

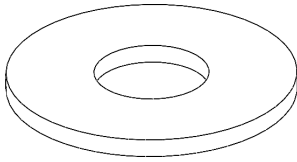


M5-0.8 x 12mm Pan Head Bolt 1x



Retaining Ring 1x

# Included Hardware



M14 Washer

4x



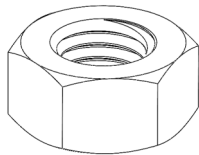
M12 Washer

6x



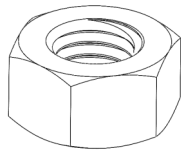
M8 Washer

22x



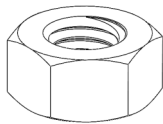
M14-2 Nut

4x



M12-1.75 Nut

6x



M8-1.25 Nut

22x

# Required Tools

- Ratchet
- 22mm Socket
- 22mm Wrench
- 19mm Socket
- 19mm Wrench
- 14mm Socket
- 14mm Wrench
- Snap Ring Pliers
- Rubber Mallet
- Phillips Screwdriver

# Assembly Instructions:

## Step 1: Attach the Casters to the Base

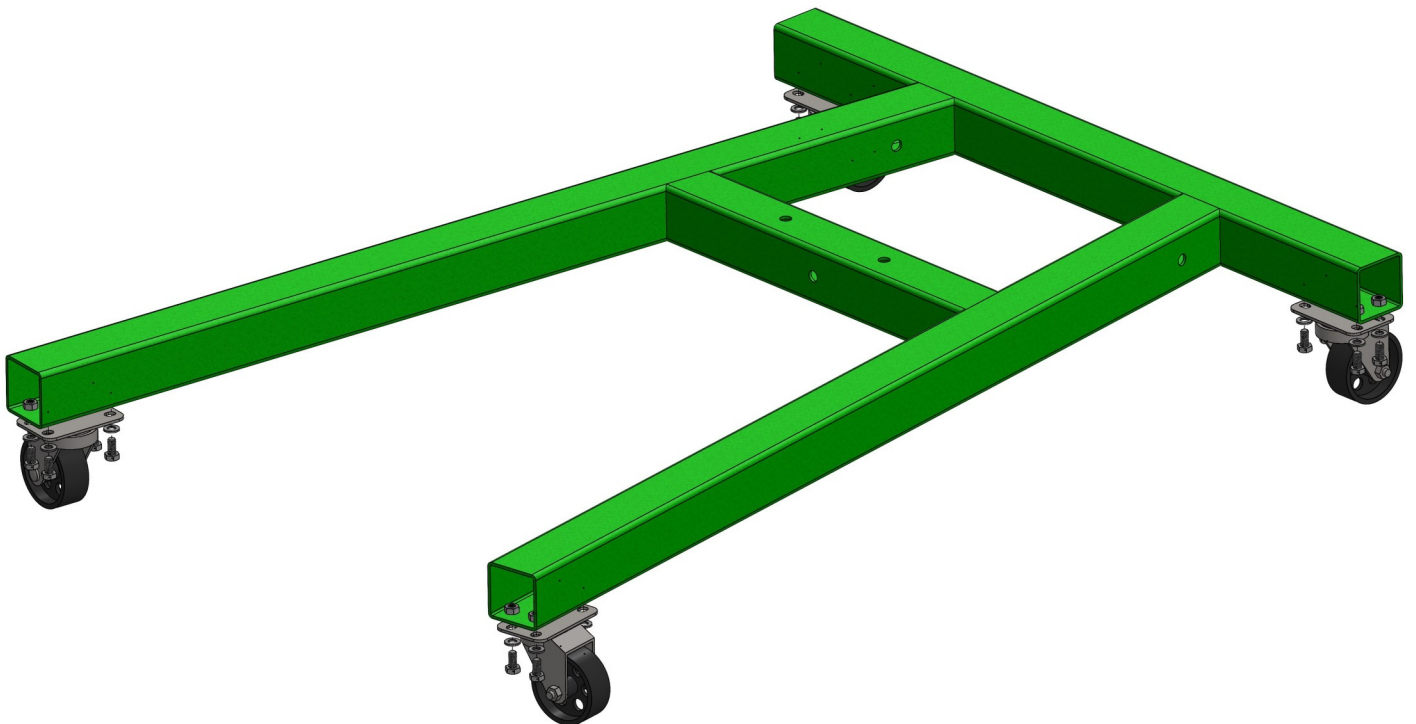
### Required Components:

- 1x Base
- 4x Casters

### Required Hardware:

- 16x M8-1.25 x 16mm Hex Bolt
- 16x M8 Washer
- 16x M8-1.25 Nut

- Use the M8-1.25 x 16mm Hex Bolt to mount all four casters to the base.



# Assembly Instructions:

## Step 2: Attach the Vertical Column to the Base

Required Components:      Required Hardware:

- 1x Vertical Column
  - 3x M12-1.75 x 85mm Hex Bolt
  - 3x M12 Washers
  - 3x M12-1.75 Nut
- Use the M12-1.75 x 85mm Hex Bolt to attach the Vertical Column to the Base.

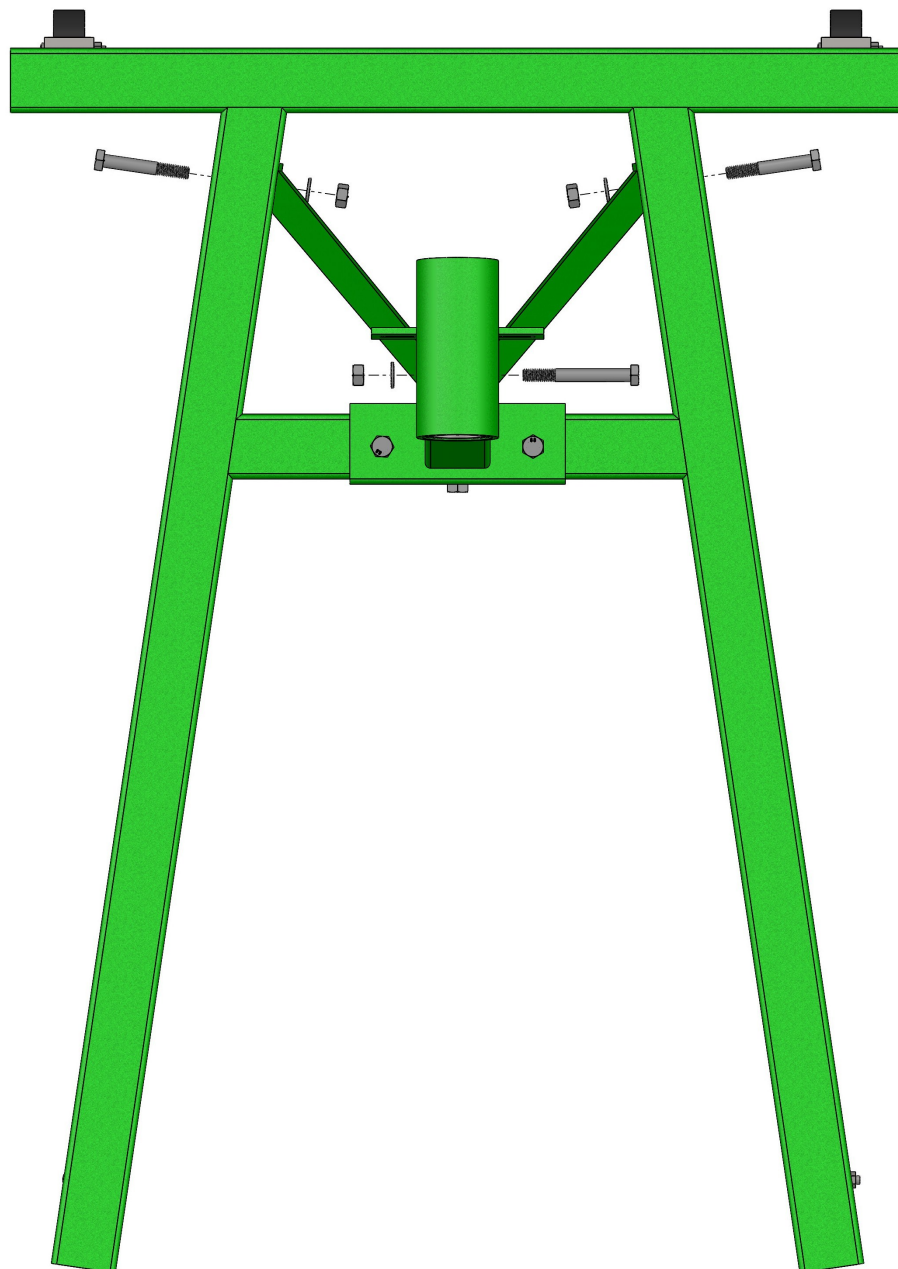


# Assembly Instructions:

## Step 3: Attach the Support Braces to the Vertical Column

Required Components:      Required Hardware:

- 2x Support Brace
  - 1x M12-1.75 x 100mm Hex Bolt
  - 3x M12 Washer
  - 2x M12-1.75 x 80mm Hex Bolt
  - 3x M12-1.75 Nut
- Use the M12-1.75 x 80mm Hex Bolts to attach the Support Braces to the left and right side of the Base. Then use the M12-1.75 x 100mm Hex Bolt to attach both of the Support Braces to the Vertical Column.

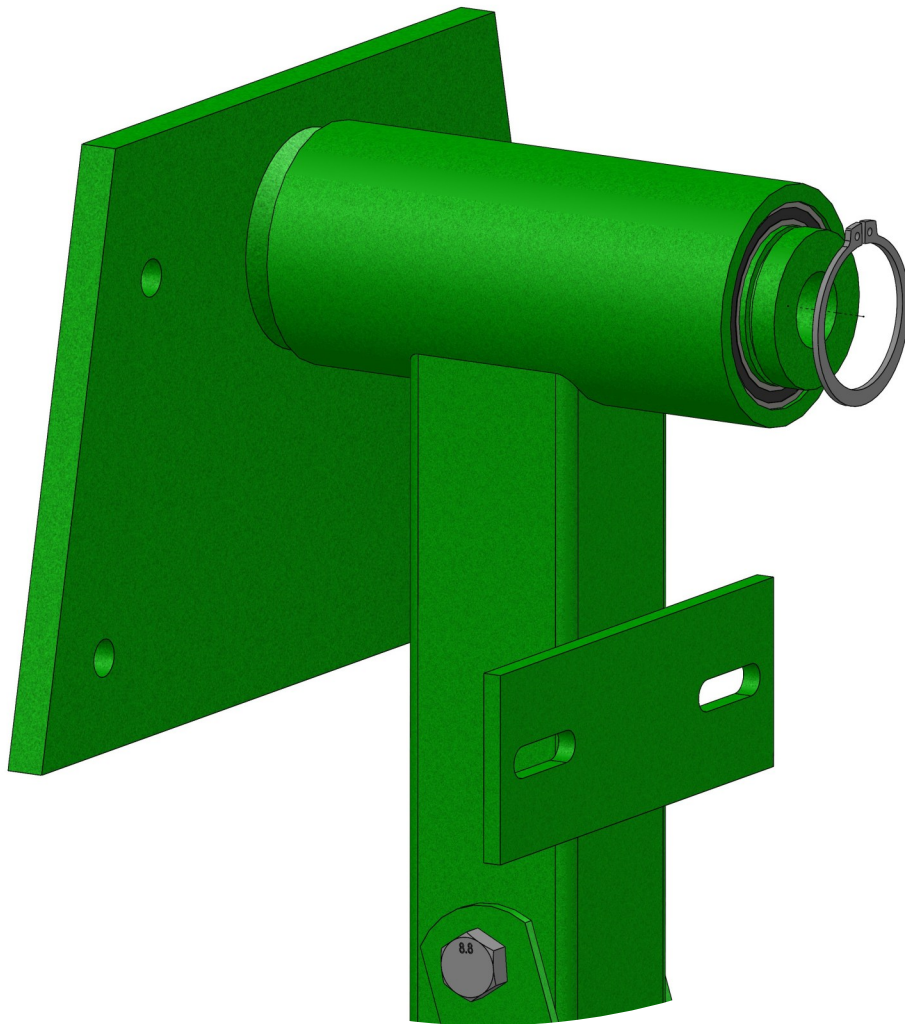


# Assembly Instructions:

## Step 4: Install the Rotating Head

Required Components:      Required Hardware:

- 1x Rotating Head
  - 1x Retaining Ring
- Push the Rotating Head through the bearings on the Vertical Column. Then use the Retaining Ring to secure the Rotating Head in Place



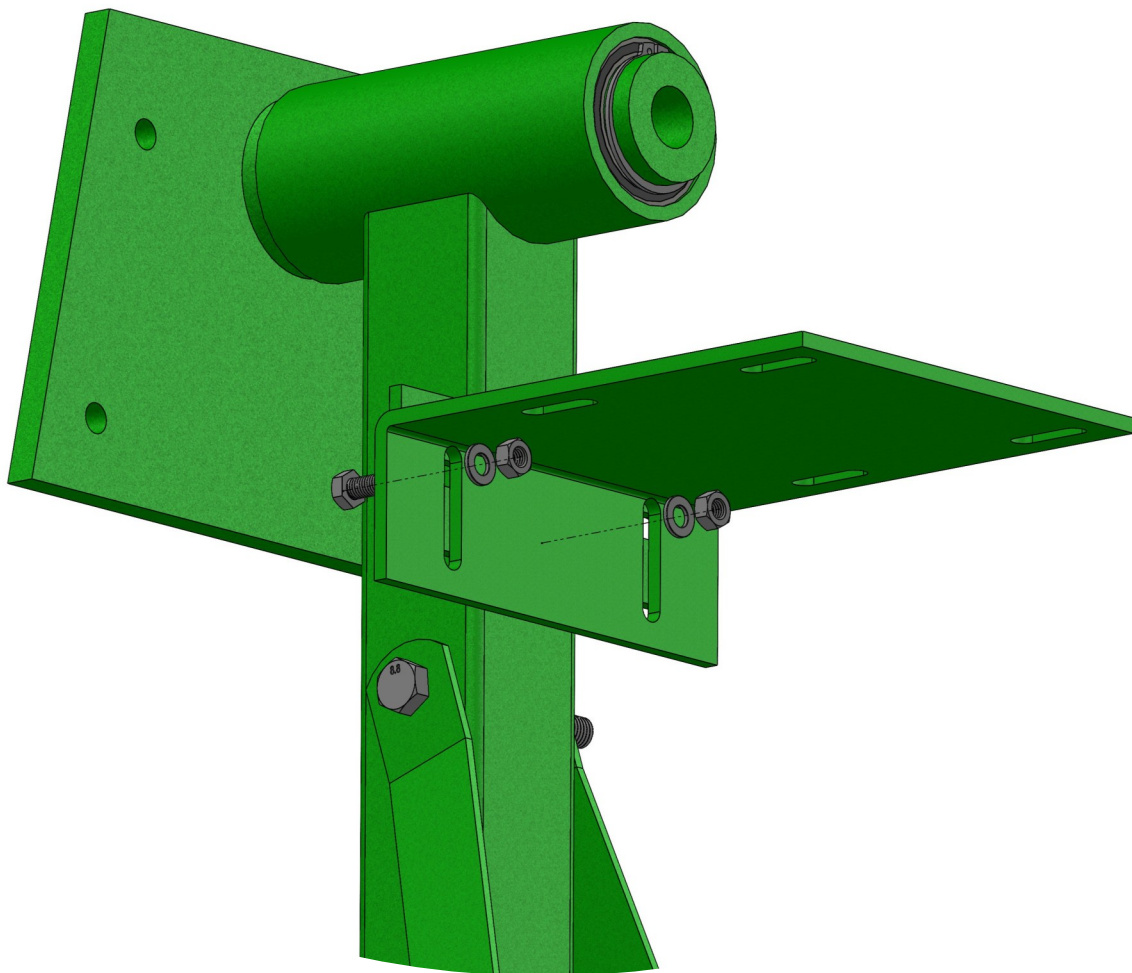


# Assembly Instructions:

## Step 5: Attach the Gearbox Stand to the Vertical Column

Required Components:      Required Hardware:

- 1x Gearbox Stand
  - 2x M8-1.25 x 30mm Hex Bolt
  - 2x M8 Washer
  - 2x M8-1.25 Nut
- Use the M8-1.25 x 30mm Hex Bolts to attach the Gearbox Stand to the Vertical Column. Leave these bolts loose until the next step is completed so that they may be adjusted.

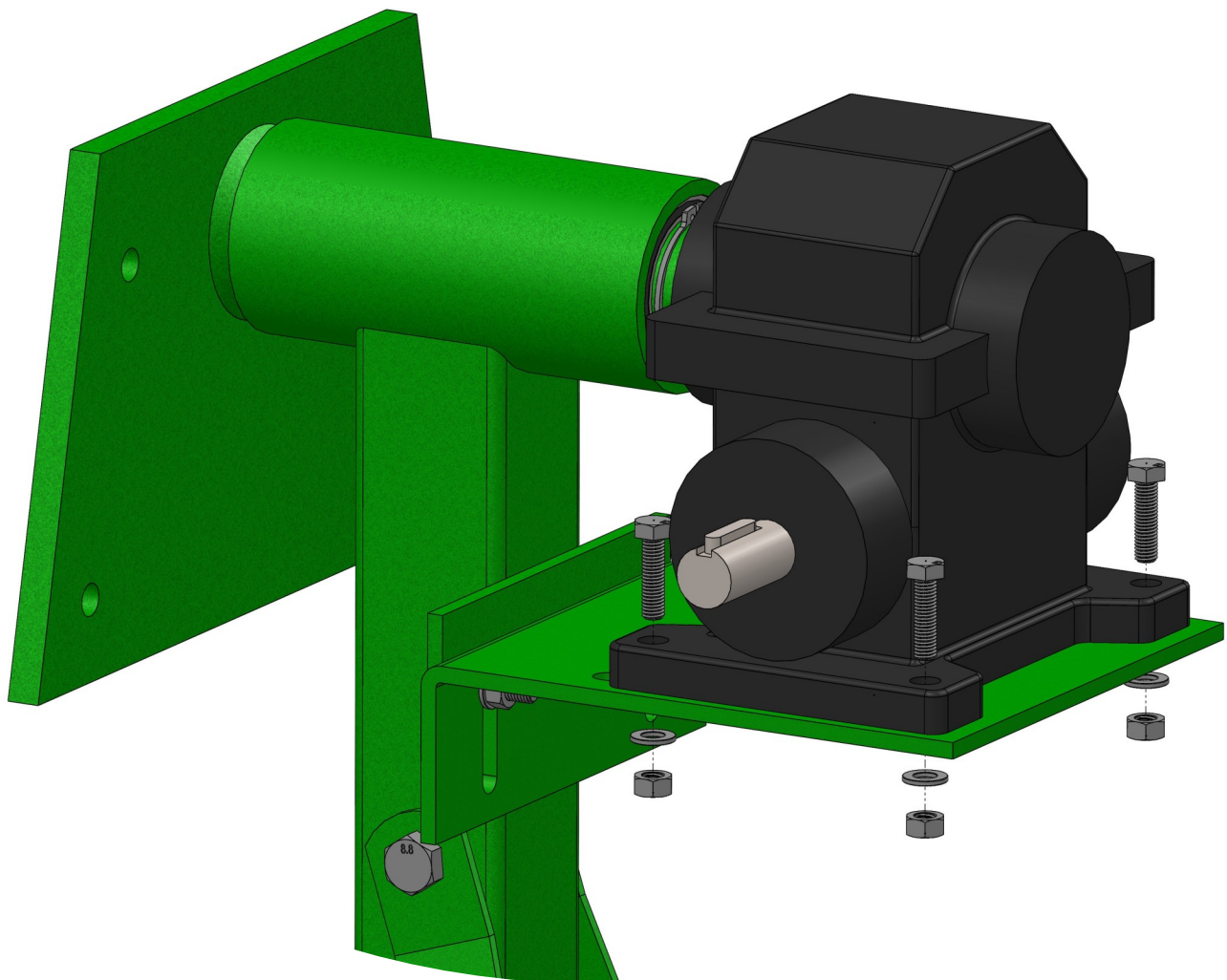


# Assembly Instructions:

## Step 6: Attach the Gearbox to the Gearbox Stand

Required Components:      Required Hardware:

- 1x Gearbox
  - 4x M8-1.25 x 30mm Hex Bolt
  - 4x M8 Washer
  - 4x M8-1.25 Nut
- Remove the tape holding the upper key in place, and slide the Gearbox into the back of the Rotating Head.
  - Use the M8-1.25 x 30mm Hex Bolts to attach the Gearbox to the Gearbox Plate, Then tighten the bolts from Step 5.

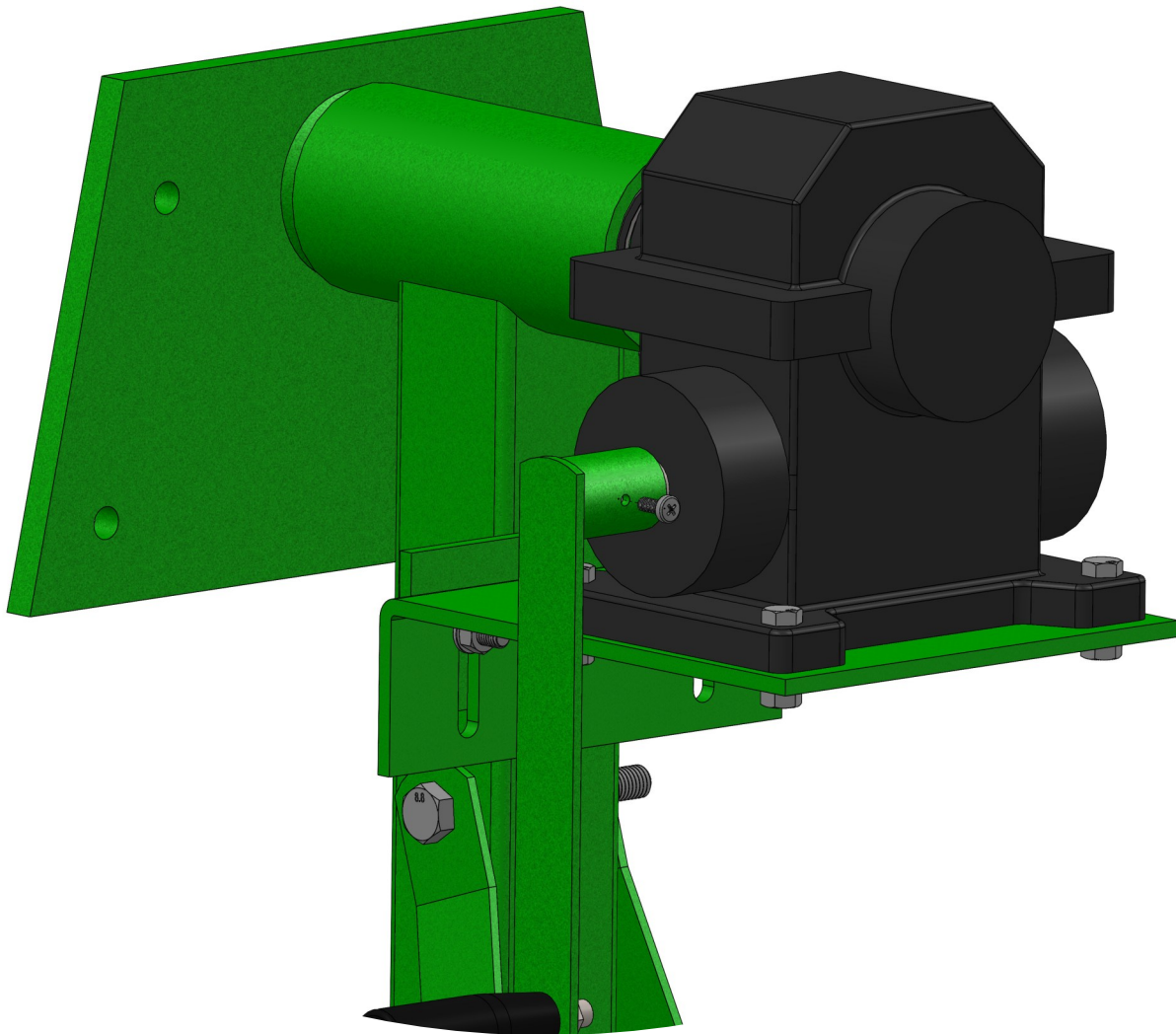


# Assembly Instructions:

## Step 7: Attach the Handle to the Gearbox

Required Components:      Required Hardware:

- 1x Handle
  - 1x M5-0.8 x 12mm Pan Head Bolt
- Remove the lower key from the Gearbox and slide the Handle on.
  - Use the M5-0.8 x 12mm Pan Head Bolt to secure the Handle to the Gearbox



# Assembly Instructions:

## Step 8: Attach the Mounting Arms to the Rotating Head

Required Components:      Required Hardware:

- 4x Mounting Arm
  - 4x M14-2 x 65mm Hex Bolt
  - 4x M14 Washer
  - 4x M14-2 Nut
- Use the M14-2 x 65mm Hex Bolts to attach the Mounting Arms to the Rotating Head.
  - **Note: The holes on the Rotating Head are threaded. Make sure to fully tighten the bolts with the Mounting Arms positioned in their desired location before you tighten the jam nuts on the back.**

