

# Draper Drum



## Installation Instructions For MacDon CA20 Adapter

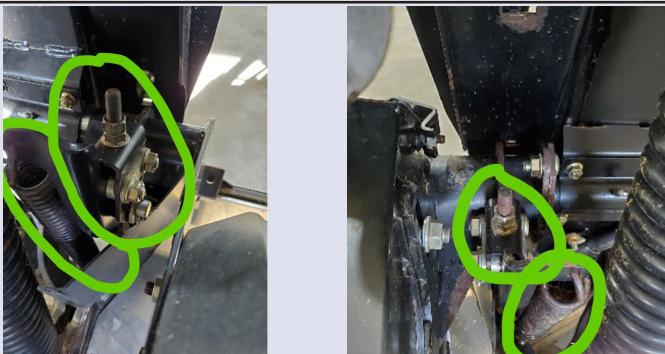


### Installation

#### Part 1 - Updating Your CA20 Adapter to CA25 with the CA20 Update Kit

(Part 2, *Installing the Draper Drum*, begins on page 6.)

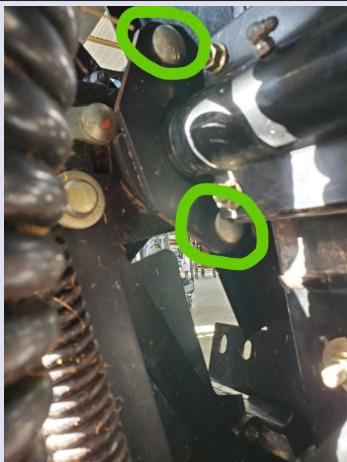
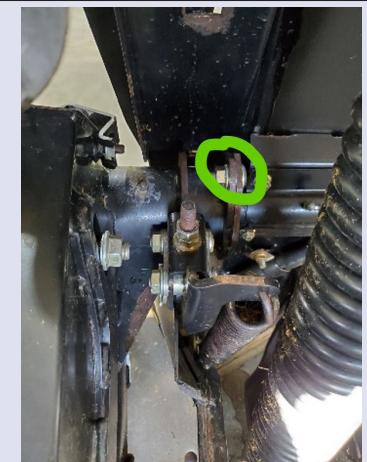
**Step 1:** Using a forklift or other lifting device, support the auger so it will not fall when mounting brackets are removed.



**Step 2:** Remove spring pressure assemblies from both sides of the factory drum. The bolts on top need to be loosened, and there is also an eye bolt at the end of the spring that needs to be removed. Some of these parts are re-used later.



**Step 3:** Remove the 3 nuts from the idle side shown in the picture here.



**Step 4:** Remove the 2 bolts and retaining collar from the drive side as shown.



**Step 5:** Remove the 4 bolts holding the idle side mount.

**Step 6:** Slide the mounting bracket and spring assembly to the side to free it from the end of the auger.



**Step 7:** Slide the complete auger towards the idle side of the adapter to remove it from the drive side assembly. Once removed, the drive side will look like this picture.



**Step 8:** Install tube on the idle side where bracket was previously removed, using the factory hardware. This tube is included in the CA20 completion kit.

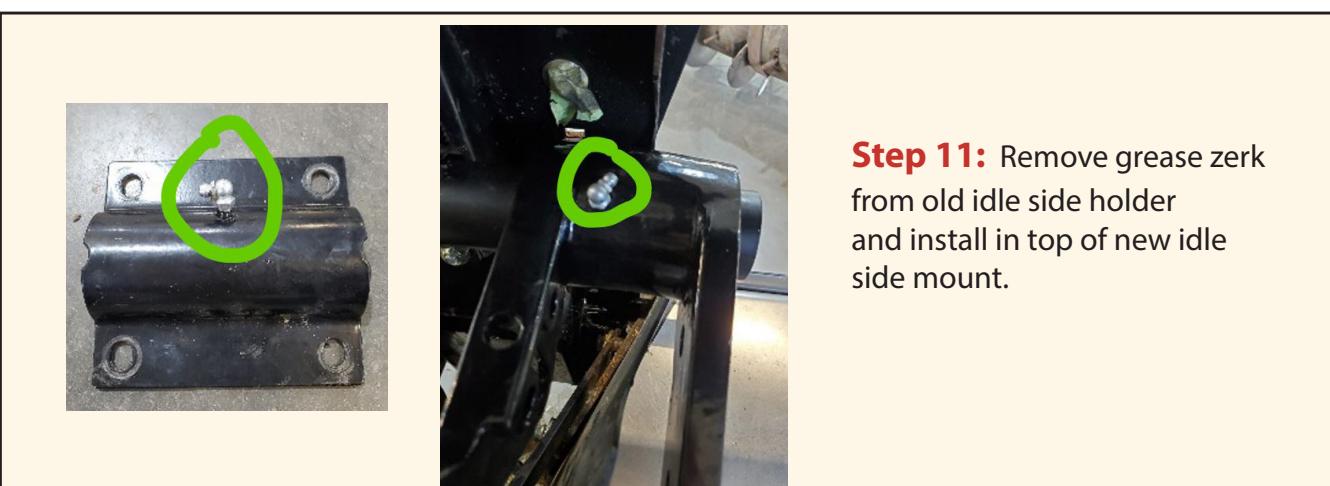


**Step 9:** Remove height adjustment hardware from idle side bracket.

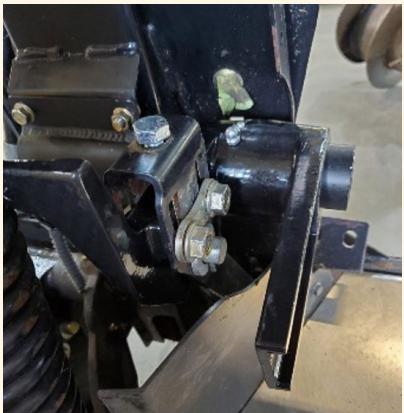
You will need to reuse the pieces circled in the picture.



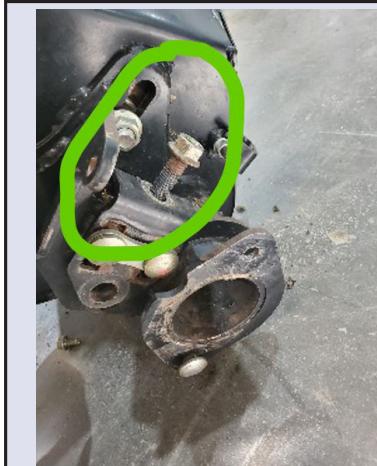
**Step 10:** Install this hardware into the new idle side bracket part# 133503 from the CA20 attachment kit. There is also a 1/2" full thread bolt and lock nut that gets installed into this assembly as well. See picture above.



**Step 11:** Remove grease zerk from old idle side holder and install in top of new idle side mount.



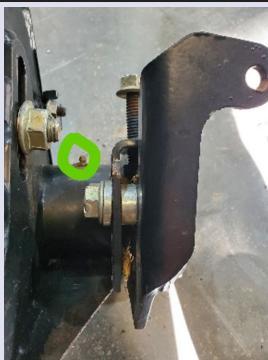
**Step 12:** Install new idle mounting bracket on tube installed in step 8.



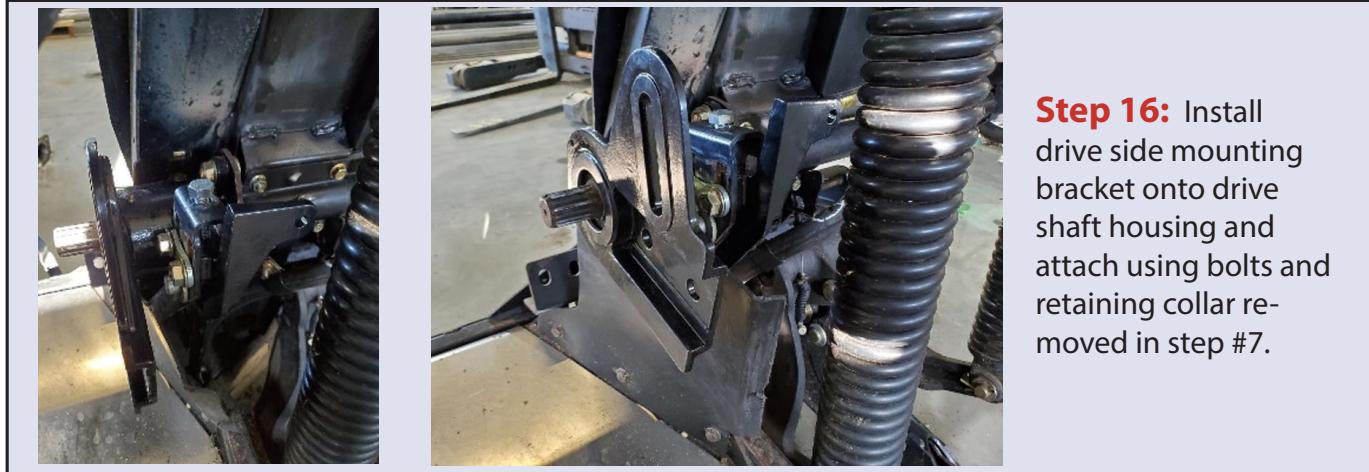
**Step 13:** Remove auger height adjustment parts from drive side mounting bracket. Re-use the same parts as used on the idle side.



**Step 14:** Install height adjustment parts into new drive side mount part# 279691.



**Step 15:** Remove grease zerk from previously removed drive side mount and install in new drive side mount.



**Step 16:** Install drive side mounting bracket onto drive shaft housing and attach using bolts and retaining collar removed in step #7.



**Step 17:** Remove chain tensioner sprocket from factory drive assembly and install in new drive side mount.

**Step 18: Your adapter is now updated to the CA25 style auger mounting system.**

**You are now ready to install your Draper Drum.**



## Installation

### Part 2 - Installing the Draper Drum

*(In order to install the Draper Drum, you must first update your CA20 adapter to CA25. Instructions begin on page 1.)*



**Step 1:** Remove mounting arm from drive side of drum.

This will expose a ring where your factory sprocket needs to be mounted.



**Step 2:** Install factory drive sprocket to end of drum using supplied bolts.



**Step 3:** Slide bearing locking collar on to shaft, then reinstall drive side mount bar previously removed in step #1.

You will be reusing your factory drive chain. If it is an endless chain, place chain on drive sprocket now.

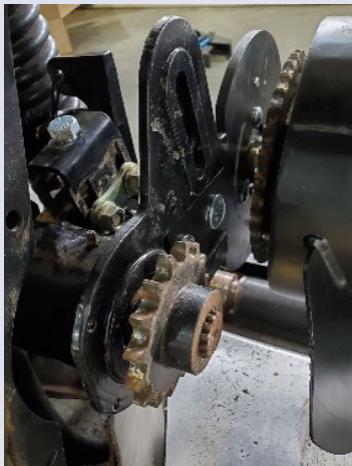


**Step 4:** Remove the idle side cover and timing adjustment lever prior to installing into adapter frame.



**Step 5:** Using a lifting device again, place the auger into the adapter opening and lift into place. Slide the mounting bars on the idle side and drive side into the mounting brackets, and install four carriage style bolts to hold drum into place.

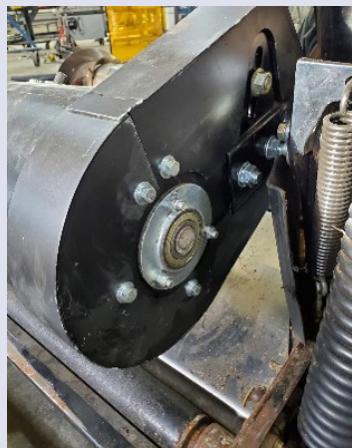
**Step 6:** Ensure proper alignment with auger sprocket and chain tensioner sprocket. If everything looks good, tighten bearing lock collar between sprocket and drive side mount bar.



**Step 7:** Reinstall drive sprocket onto spline of adapter shaft. Reinstall drive chain from original drive setup. If you have a master link in your drive chain, you can install the chain at this point.



**Step 8:** Install idle side cover and timing lever previously removed in step #4.



**Step 9:** Tension drive chain, then install chain guards on drive side.



# Draper Drum

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**Step 10:** Reinstall eye bolts and tensioner springs, then adjust drum height so there is approximately 1" of space between flighting and adapter floor. Ensure the drum is level from side to side. Adjust drum using the height adjustment bolts as per MacDon instructions.

## Your Draper Drum is now installed!

If you have any questions regarding disassembly of the factory drum, go to [macdon.com](http://macdon.com), click on Support, and select the parts diagram for the adapter that you have (CA20, CA25, FM100).



Thank you again for purchasing your Draper Drum Kit from Combine World. Any questions, please call us at

**1-800-667-4515.**

