



Installation Instructions For MacDon



Your Pea Auger Kit includes:

- 1 LHS mounting bracket
- 1 RHS mounting bracket
- 1 center mounting bracket
- 1 dust cover for center bracket
- 1 RHS pea auger
- 1 LHS pea auger
- 1 hydraulic drive motor (on LHS bracket)
- 1 drive hub (installed on motor)
- 1 idler shaft
- 2 removeable hex drive hubs (installed in auger ends)
- 2 hydraulic hoses
- 1 male – male hydraulic fitting

Torque Specs:

- 5/16" hardware – 9 ft/lb (center shaft bolts, center bearing bolts)
- 3/8" hardware – 12 ft/lb (dust cover, motor hub and mounting bolts)
- 1/2" hardware – 45 ft/lb (main bracket attaching hardware, idler shaft bolts, removeable hex hub nuts)
- Motor mounts – 40 ft/lb (connecting motor to mounting bracket)
- Motor hub nut – 60 ft/ lb (nut on motor drive shaft)
- Idler bearing housing bolts – 60 ft/lb (connecting bearing housing to mounting bracket)

Installation

Step 1: Open box and ensure all pieces are accounted for.

Step 2: Lift pickup reel up and install reel safety stops.



Step 3: Install center mounting bracket assembly on the RHS of the center reel bracket. Torque bolts to 45 ft / lb.



Step 4: Install hydraulic motor / drive assembly and LHS mount bracket to left side of the left-hand auger half. Ensure that washers on motor mount bolts are installed on auger side of the bracket. Torque 3/8" bolts to 12 ft/lb, torque 1/2" bolts to 40 ft/lb.



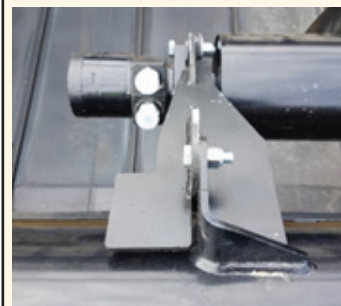
Step 5: Install idler shaft and RHS mount to right end of right-hand auger. Install bearing so locking collar is approximately flush with the end of the shaft. Torque idler shaft bolts to 45 ft/lb.

➔ **Step 6:** Put small amount of grease on each hex shaft to make install easier.

Step 7: Install RHS (driven) auger onto the header by sliding center hex shaft into the hex drive hub installed in the auger. This will require 2 people.



Step 8: Bolt idler side of auger to factory bracket that is on the header and attach using the 2 bolts from the bracket included in the kit. Torque to 45 ft/lb.



Step 9: Install LHS (drive) auger onto the header in the same way as the RHS, first onto the hex shaft, then bolt to factory mount on header. Torque to 45ft/lb.

****GREASE CENTER DRIVE ASSEMBLY.
EACH DRIVE HUB SHOULD HAVE 1/4 TUBE OF GREASE****



Step 10: Install hydraulic lines onto motor. Both lines are the same so order does not matter.



Step 11: The front line from auger drive connects to canvas drive using male – male adapter, the opposite end connects to open male connector where canvas drive was disconnected.

Disconnect this fitting and connect rear hydraulic line for auger drive here. Rotate slowly by hand to ensure free movement and no binding. Some tolerances are tight so slight adjustments may be necessary.

Step 12: Turn hydraulic flow to canvas and pea auger OFF and engage header. Slowly increase hydraulic flow to canvas and pea auger drive and observe before operating at full working speed.

**** Grease center drive daily to reduce wear on hex drive components ****

Thank you again for purchasing your Pea Auger Kit from Combine World. Any questions, please call us at **1-800-667-4515**.