

THOMSON EDIBLE NUT CRACKER

This cracker is shipped with the hopper bolted into place. Be sure to check down in the hopper for any foreign objects that may have dropped into the hopper.

To set the crack adjustment : Loosen the set screw on #28 FIG 1 Turn adjustment screw #138 Fig 3 counter clockwise to crack harder or clockwise to crack lighter. Be sure to retighten the set screw after adjustment.

To adjust chain carrier: Turn the brass nut on top of #18 Fig.1 clockwise to tighten chain . The top chain sprocket must be kept level at all times by looking inside the machine's chain housing and making equal adjustments on each side. Note : don't over tighten the chain. This will cause excessive wear to the chain.

To Adjust the Nut Pockets; On new machines nut pocket adjustment(timing should be made with in 2 weeks or so after the cracker is placed in operation. Inspection after that should be made about 2 or 3 times a month to make sure the pockets are clearing the nut pockets properly. Clearance between the nut pockets and die #124 fig 6 should be maintained or damage to the cracking box might occur.

To make adjustment the cracker drive pulley #22 Fig 1 should be rotated by hand until the cracking die is half way into the nut pocket#74 fig 3. Then loosen the 4 bolts on the timing hub #84Fig 3 . Move the nut pocket chain assembly clock wise until the next bottom of pocket above is touched ,then move counter clockwise until bottom of pocket under die is raised to within 1/16th to 1/8th inch from the lower bottom edge of cracking die. Then re tighten the 4 bolts on the timing hub. In the event that the slots in the timing hub bottom out before you are able to set te proper clearance between the die and pocket ,the bolts can be repositioned into new holes in the hub so as to allow enough movement of the nut pocket chain.

To change the nut pockets: Insert a T handle allen wrench into the socket head screws that fasten the pockets to the chain. Un loosen and remove the screws and replace the pocket with desired size. It is sometimes necessary to remove the tougne casting located at the bottom of the nut hopper Fig3 #72. Remove the screw and simply slide it out of the hopper. After changing to a different pocket their position in relation to the cracking die should be checked for proper clearance as describes in the procedure above.

To change cracking die : Remove cracking box covers #26 Fig 1 and #142 Fig.6 Rotate the drive pulley so that the cracking box#118 Fig 4 and crack# 104 Fig 6 is at the back of the stroke or machine. Remove drive gear crank bolt and take the cracking box out of the machine. Place the cracking box die rack stem#122 Fig in a vise with the die and stem pointed down and tighten the vise up on the stem. Then place a punch against the back shoulder of the die and drive it out.

Cracking box maintenance. After he cracking box is removed It can be cleaned by removing the spring pin 126 fig 6 carefully as it is under pressure and will fly out. Do not place your body parts in front of it while removing and wear safety glasses as a precaution. Excessive pressure on the spring pin can be relieved by backing out the socket screws 146 fig 6 slowly. Then removal of the spring pin is much easier. Once the spring pin is removed the front end plate #140 fig 6 can be completely removed. This will allow removal of the rest of the parts in the box. Replace all the springs and clean the parts in kerosene inspecting the teeth for excessive wear. Reassemble the box.