

U.S. Patent Nos. 4,255,406 & 4,395,216

SDR-21 DOUGH ROLLER SDR-21P with optional DOUGH DOCKER (PERFORATOR)

USE AND OPERATION MANUAL

MEETS
OSHA REQUIREMENTS



WARNING:

DO NOT ATTEMPT TO CLEAN OR SERVICE MACHINE WITHOUT SETTING POWER SWITCH TO "OFF" POSITION AND UNPLUGGING ELECTRICAL POWER SUPPLY. KEEP HANDS AND FINGERS AWAY FROM ROLLER AREA WHILE OPERATING OR SERVICING MACHINE. NEVER OPERATE MACHINE WITHOUT GUARDS IN PLACE. IF FOR ANY REASON MACHINE CONTINUES TO "RUN" WITH SAFETY GUARDS REMOVED, DEPRESS "OFF" SWITCH AND DISCONNECT ELECTRICAL POWER SUPPLY. IMMEDIATELY CALL A QUALIFIED SERVICE REPRESENTATIVE BEFORE ATTEMPTING TO AGAIN OPERATE MACHINE.

Anetsberger Brothers, Inc., Northbrook, Illinois, certifies that all equipment of its manufacture is, to the best of their knowledge, free from defective material and workmanship.

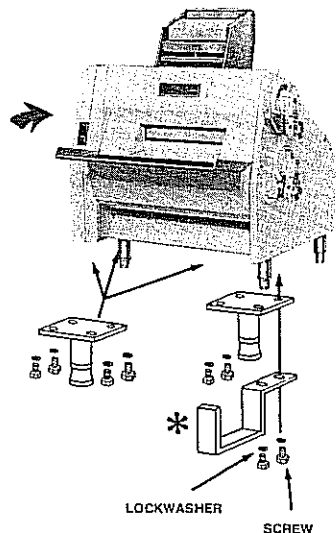
Anetsberger Brothers, Inc., warrants to the original Buyer that the equipment, except that which is manufactured and warranted by others, shall be free of defects in workmanship or materials, provided that the Anetsberger Brothers, Inc., sole obligation under this warranty shall consist exclusively of repairing or replacing, free of charge, f.o.b. its factory, any parts received prepaid at its factory within one year from the date of the part's delivery to Buyer and determined by Anetsberger Brothers, Inc., upon inspection to be defective. NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER IS GIVEN BY ANETSBERGER BROTHERS, INC., IN CONNECTION HERewith. UNDER NO CIRCUMSTANCES SHALL ANETSBERGER BROTHERS, INC., BE LIABLE FOR LOSS OF PROFITS OR ANY OTHER DIRECT OR INDIRECT COSTS, EXPENSES, LOSSES OR DAMAGES ARISING OUT OF DEFECTS IN OR FAILURE OF THE EQUIPMENT OR ANY PART THEREOF. Anetsberger Brothers, Inc., obligation under its warranty shall be nullified unless Buyer provides proper maintenance of the equipment, if the equipment is used for any purpose other than intended or if the equipment is moved from the location where originally installed.

Anetsberger Brothers, Inc., equipment is designed and built to be compatible with a high level of safety and health standards commensurate with pricing and intended for other than household use. It is Anetsberger Brothers, Inc., expectation that its equipment installed, operated and maintained properly will enable the owner to comply with the regulations and interpretations of federal, state or local governmental authority or industry health and safety standards. Anetsberger Brothers, Inc., however, makes no representation or warranty that its equipment meets all the requirements of said standards because of the present vagueness in the requirements and the varied interpretations thereof. Equipment can only be shipped on this understanding. Where possible, Anetsberger Brothers, Inc., at the Buyer's specific request will modify its equipment at prices then in effect. Warranties, modifications, changes or defects relating to said equipment shall be subject to above warranty and this paragraph. It shall be the Buyer's responsibility to determine that all safety devices and controls are in the proper location and in operating order at all times, and to instruct the operating personnel in their operation and in the safe operation of the delivered equipment, and to maintain them after delivery.

Anetsberger Brothers, Inc., may at its sole discretion, and upon written application of Buyer, pay for all or part of the cost of installing any of the aforesaid parts replaced under this warranty.

INSTALLATION INSTRUCTIONS

1. Check outside of carton for possible damage.
- 1a. If damage is noticed, contact delivering carrier for freight claim and inspection. **DO NOT DISPOSE OF ANY CRATING MATERIALS.**
2. Remove cartoning.
- 2a. If **CONCEALED** damage is noted, contact delivering carrier for freight claim and inspection. **DO NOT DISPOSE OF ANY CRATING MATERIALS.**
3. Remove unit from crate; also, all pieces of loose packing material and accessories.
4. Your Dough Roller is bolted to the shipping skid. Remove shipping bolts from skid and remove machine.
5. Check to make sure power switch is in the "OFF" position.
6. Install 4" sanitary legs (provided in separate package) to bottom of machine being careful not to lay machine on either side to prevent damage to controls.
- 6A. **Special Note:***Front leg extension minimizes tipping.
(See Illustration.)
7. Place machine in desired work area.
8. Level machine for 4" adjustable sanitary legs. **DO NOT CONNECT TO ELECTRICAL SUPPLY AT THIS TIME.** Release guard for roller access. Remove scraper blades. (REFER TO DAILY MAINTENANCE.)
9. Remove protective paper from rollers.
10. Clean machine thoroughly, avoiding the use of water in the roller area to prevent rust and pitting of rollers. Rollers may be treated with a light vegetable oil.



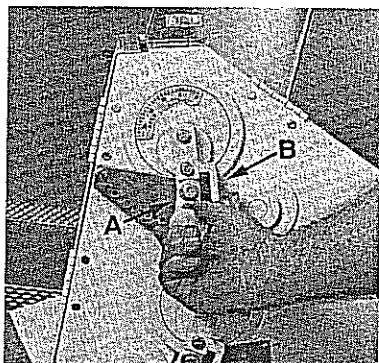
CAUTION: DO NOT USE ANY ABRASIVE OR CAUSTIC CLEANERS OR PADS ON THE UNIT.

11. Replace scraper blades. (SEE DAILY MAINTENANCE)

OPERATING INSTRUCTIONS

NOTE: BE SURE ALL SAFETY GUARDS ARE SECURELY IN PLACE BEFORE PLUGGING UNIT INTO ELECTRICAL SUPPLY!

1. Plug unit into a 3 wire grounded 120V outlet, 15 amp service.
2. Turn machine "ON".
3. Dough to be rolled should be at room temperature. Time will vary depending on formulations.
4. Set upper rollers to #5 position, which will give an approximate thickness of 3/16" to 1/4". Pull spring loaded knob (A) and move roller to setting, making sure knob resets fully into hole. To obtain micro-adjustment, between marked setting, turn knurled micro screw. (B)



5. Set lower roller to the #3 position, which will give an approximate thickness of 1/8".

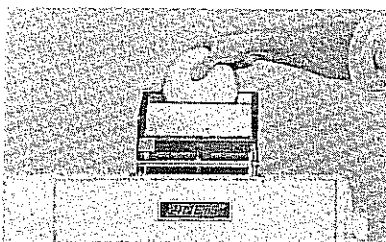
NOTE: IF MACHINE DOES NOT RUN, BE SURE ALL SAFETY GUARDS ARE SECURELY IN PLACE!
(See figure #1 under directions for inserting scraper blades.)

NOTE: Micro-adjustment knobs fine tune to exact weight and dough thickness for settings between calibrations, i.e. 3-1/2.

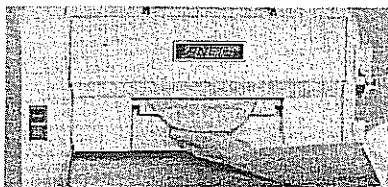
6. Your machine is now ready to operate.

NOTE: SETTINGS ABOVE ARE APPROXIMATE DOUGH CONSISTENCY AND RELATIVE THICKNESS VARIES FROM OPERATOR TO OPERATOR. ADJUST ROLLERS TO YOUR NEEDS.

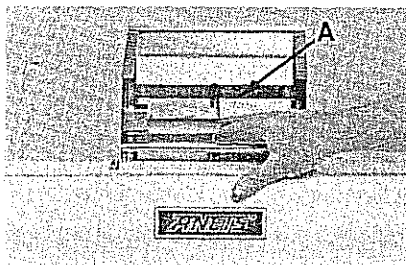
7. After dough has been rested for the recommended period, dough may be divided into pieces ranging in various weights, depending upon the diameter and thickness of the pizza desired. Work and soften dough with fingers. Now flatten dough piece to approximately 1-1/4" thickness and place in top safety chute.



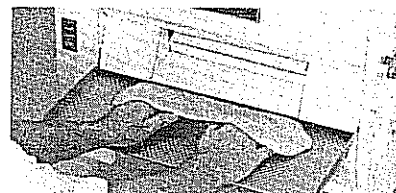
8. Dough is rolled and returns.



9. If dough becomes lodged in chute, depress pusher bar in until dough becomes engaged in upper rollers. If this becomes a common occurrence, you are not flattening the dough piece enough.

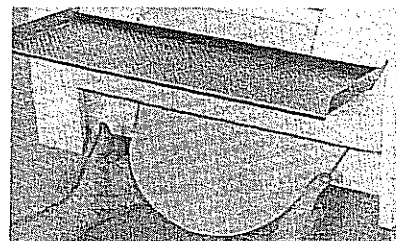


10. Turn elongated dough piece (approximately 3/16" to 1/4" thick) 90° and feed into bottom rollers on easy slide textured stainless steel tray.



By having the dough shell resting on top of the hands, the dough shell should be able to be fed into the bottom set of rollers without the use of any flour. If dough shell is unusually sticky, flour can be used.

11. Final thickness of dough comes out of discharge chute.

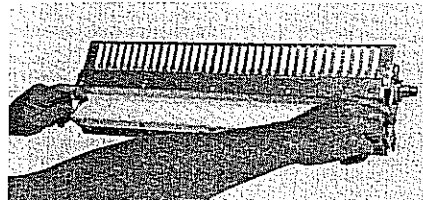


NOTE: IF THE DOUGH TEARS OR THE MACHINE MAKES A THUMPING SOUND, THIS MEANS THAT THE DOUGH IS TOO THICK TO GO THROUGH THAT PARTICULAR SETTING OF THE ROLLERS, WHICH MEANS YOUR ROLLER ADJUSTMENT HAS TO BE OPENED MORE, OR THE DOUGH IS TOO COLD AND STIFF AND REQUIRED A LONGER REST PERIOD BEFORE SHEETING.

OPERATING INSTRUCTIONS

1. Follow all previous operating instructions from SDR-21.
2. Run dough piece through machine. (See previous SDR-21, step #7.)
3. Check dough for proper perforation.

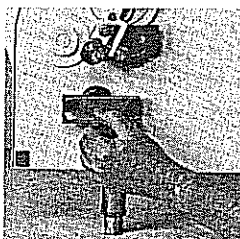
NOTE: IF DOUGH IS NOT PERFORATED CORRECTLY, TIGHTEN TWO THUMBSCREWS 1/4 OF A TURN AT A TIME TO ADJUST PERFORATION TENSION FOR 100% PERFORATION. (IT IS NOT NECESSARY TO REMOVE UNIT FROM MACHINE AS PICTURED.)



4. Run dough balls through until desired perforation is accomplished. IF DOUGH PERFORATION IS NOT REQUIRED, SIMPLY REMOVE PERFORATOR ATTACHMENT AND MACHINE WILL OPERATE IN ITS USUAL FASHION.

TO REMOVE FOR CLEANING

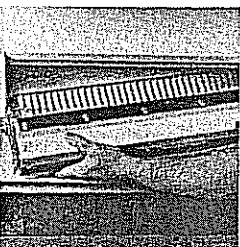
1. Unplug your dough roller.
IMPORTANT: OPEN ROLLERS TO MAXIMUM POSITION BEFORE ATTEMPTING TO CLEAN. THIS SPEEDS UP THE CLEANING PROCESS AND MAKES IT EASIER. NOTE: RECORD THE ROLLER SETTING BEFORE OPENING SO YOU MAY REPEAT DOUGH THICKNESS



2. Lift up latch and remove from unit.

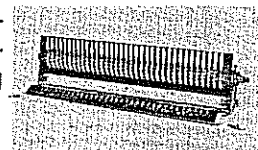


3. Pull out and remove bearing.



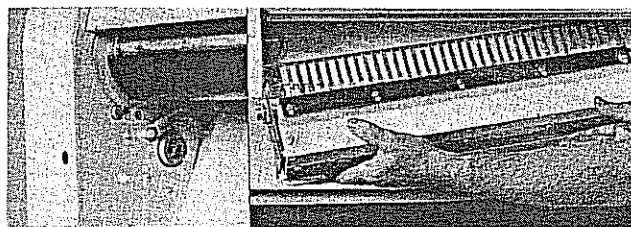
4. Grasp perforator assembly with both hands, slide to right and remove from machine. Unit may now be cleaned.

5. For stubborn dough accumulation, perforator may be completely exposed by removing thumbscrews.

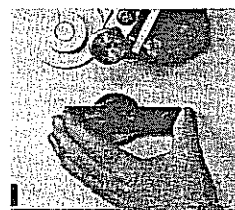


6. To replace perforator, reverse above procedure.

NOTE: COUPLING AND SHAFT MUST BE PROPERLY ALIGNED. SHAFT CAN BE TURNED BY INSERTING EDGE OF LOCKING LATCH INTO SLOTTED END OF THE SHAFT.



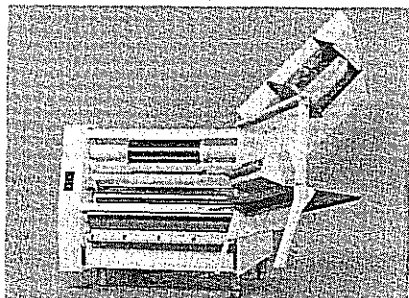
7. Replace bearing and SLIDE LATCH. Unit is now ready to operate.



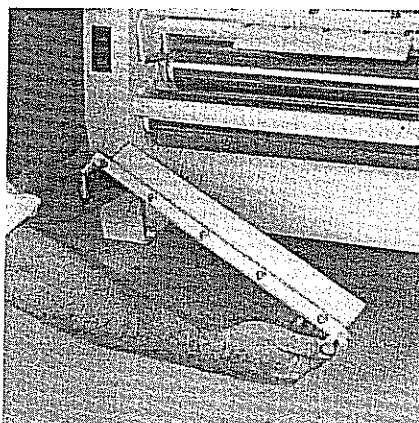
DAILY MAINTENANCE

CAUTION: DO NOT CLEAN EQUIPMENT WHILE CONNECTED TO ELECTRICAL SUPPLY!!

1. Unplug your dough roller before opening. **IMPORTANT: OPEN ROLLERS TO MAXIMUM POSITION BEFORE ATTEMPTING TO CLEAN. THIS SPEEDS UP THE CLEANING PROCESS AND MAKES IT EASIER. NOTE: RECORD THE ROLLER SETTING BEFORE OPENING SO YOU MAY REPEAT DOUGH THICKNESS. (See figure #1 under directions for inserting scraper blades.)**

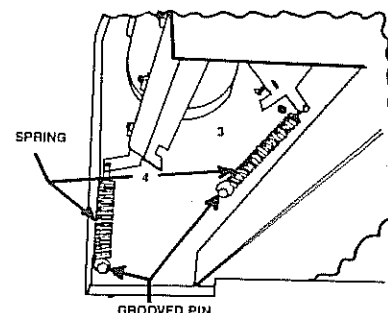
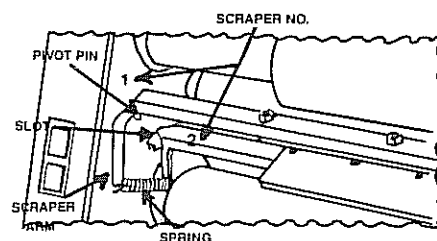


2. Carefully remove scraper and clean.



3. Wipe down rollers and machine with a dry cloth. **(NEVER USE WATER.)**
4. Wipe rollers with lightly oiled (vegetable oil) cloth.

5. Re-insert scraper blades.



DIRECTIONS FOR INSERTING SCRAPERS

NOTE: The number of the scraper must always be on your left side when facing the front of the dough rollers.

- 5a. #1 Scraper — Have pointed edge of scraper facing between rollers #1 and #2. Place left side (#1) slotted end onto #1 pivot pin first, then right side slot on pivot pin.
 - 5b. #2 Scraper — Hold spring in left hand, have pointed edge of scraper *always* facing in a slightly upward position. Place left side (#2) slotted end of #2 pivot pin first, keeping right side of scraper out of machine. Now swing right side in and over the top of opposite pivot pin and position in slotted end. Grasp spring with right hand and hook to #1 scraper arm notched bottom.
 - 5c. #3 Scraper — Open bottom roller setting to #12 position. Grasp scraper in both hands (palms up) having the springs rest in the palm of each hand. Slowly move scraper up from the front bottom, *all the way past #4 bottom roller* and almost up to #3 roller or until pointed edge of scraper is visible when looking down between rollers #3 and #4. Now just move scraper up past pivot pin #3, lift slightly, then position slotted ends down on #3 pivot pin.
 - 5d. #4 Scraper — Have pointed edge of scraper facing toward *under* side of roller #4. Position left side (#4) slotted end onto #4 pivot pin first, then swing right side slotted end onto opposite pivot pin.
6. Close front and rear covers.

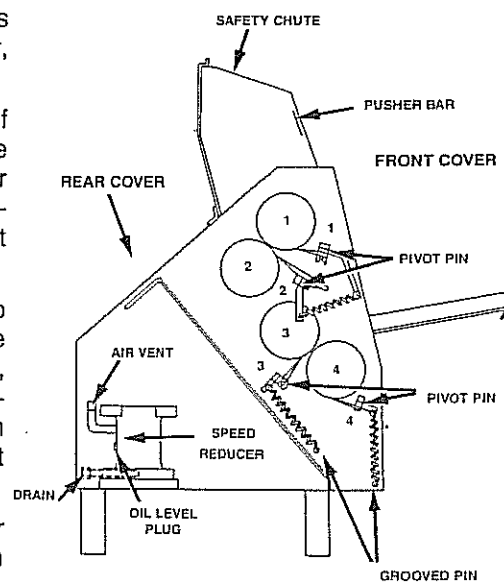
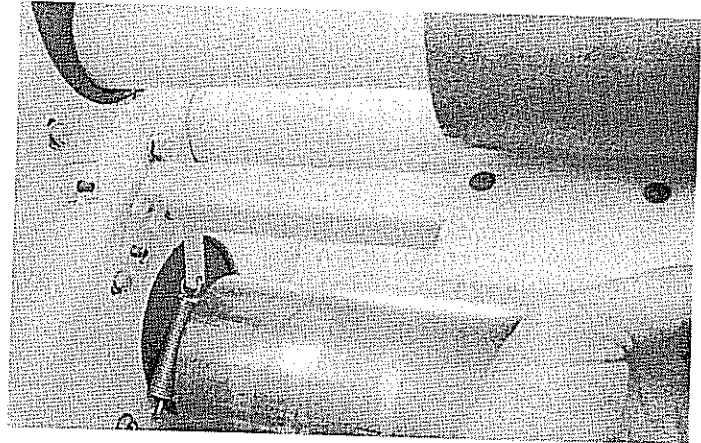
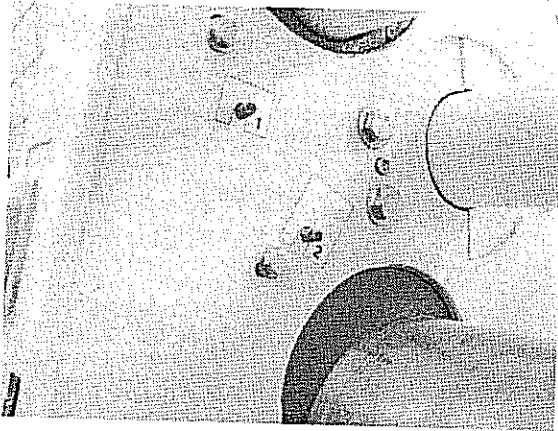


FIGURE #1

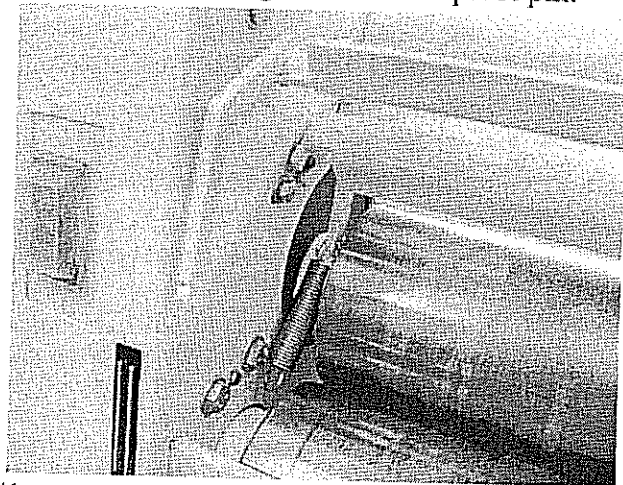
NOTE: THIS UNIT IS EQUIPPED WITH SAFETY INTERLOCKS ON FRONT, REAR AND SIDE COVERS. IN ORDER FOR THIS MACHINE TO BECOME OPERABLE, FRONT AND REAR COVERS MUST BE IN OPERATING POSITION AND SIDE COVER MUST BE IN THE FULL DOWN POSITION.

SDR-21 Scraper Instructions

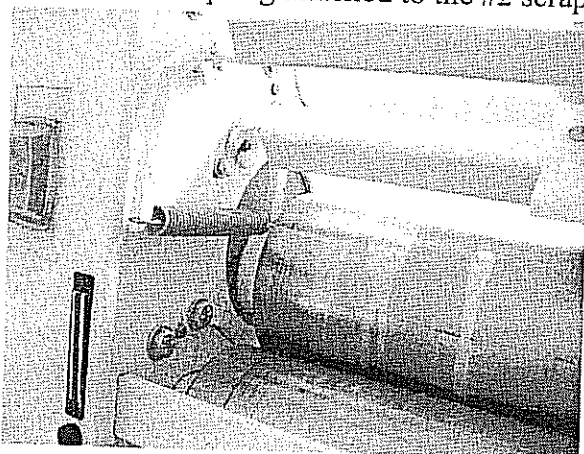
Unplug unit from power source. Note: *The numbers of each scraper are stamped on each scraper bar in one location; the number should always be on the operator's left hand side when installing. Notice the stickers on the interior left side of the unit marking the numbers and positions of the scrapers when installed.* Install scraper #2 first inserting the scraper tip first. Slide the scraper along the bottom of the small #1 roller and wedge it between the two (#1 & #2) rollers. At this point the scraper mounting tabs should be relatively above the pivot pins. Slide the mounting tab slot onto the pins and rest the scraper against the #2 roller.



Install the #1 scraper next. Orientate the scraper as shown in the image below left. Set the scraper on the pin on the right hand side first. Move the scraper into the machine with the blade below the #1 roller and set the left hand mounting slot onto the pivot pin.

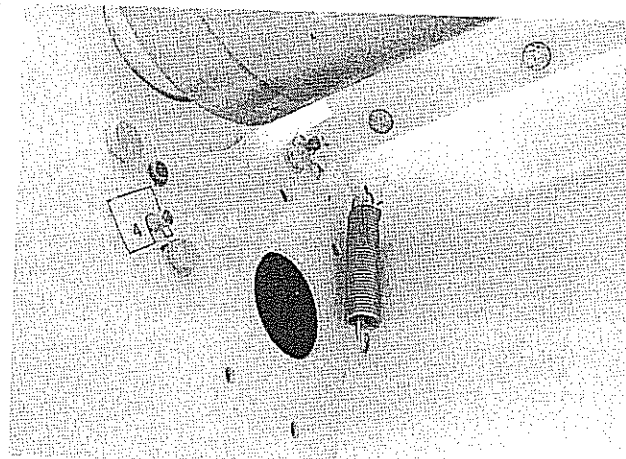
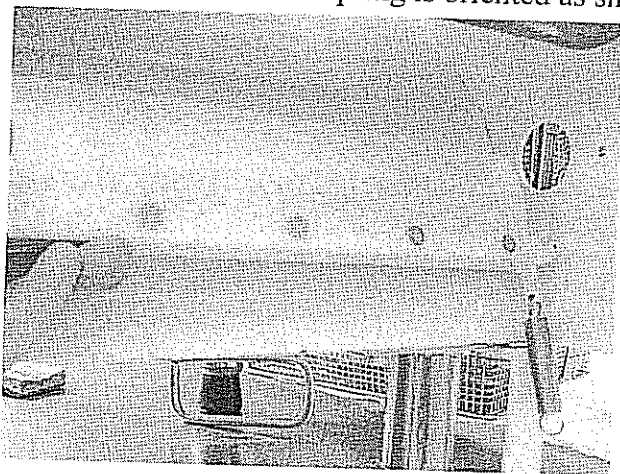


Note the slot in the bar protruding from the #1 scraper: this is where the spring mounts. Install the spring attached to the #2 scraper onto the slot.

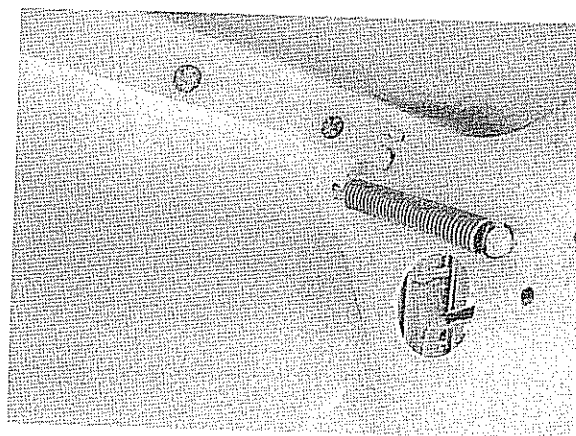
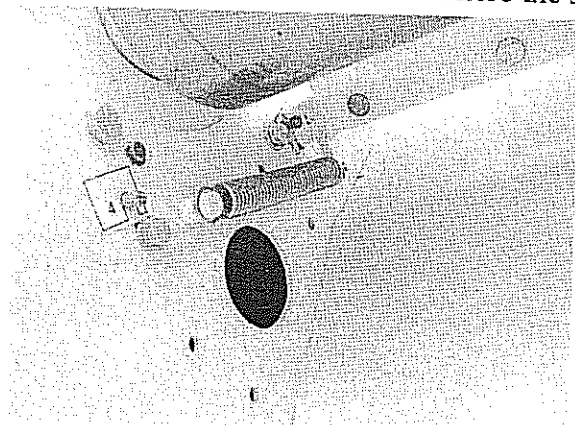


SDR-21 Scraper Instructions

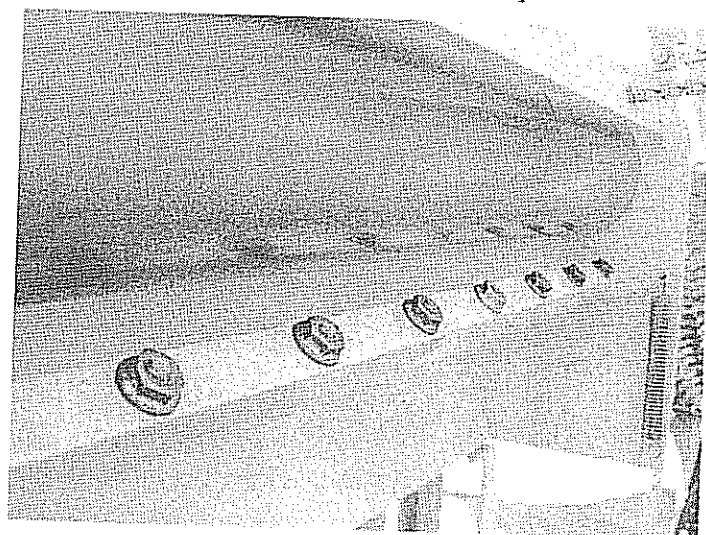
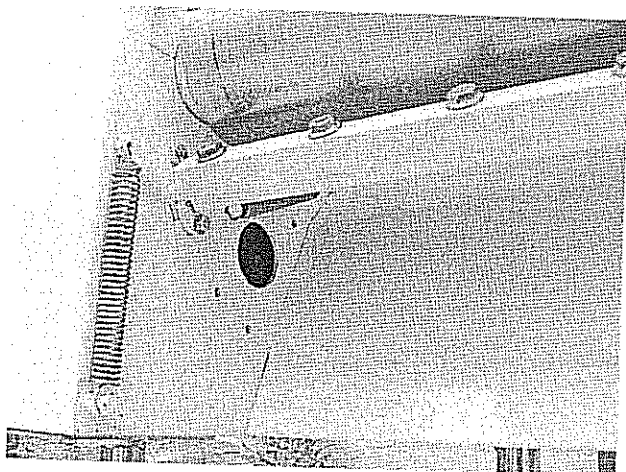
Install the #3 scraper next. The mounting locations for the #3 scraper are up inside the unit from the underside. Insert the scraper in the direction shown below left. As the blade is brought up into the unit, rotate the blade toward the operator so that it points between the long (#3 & #4) rollers. As the blade is brought further into the rollers, the mounting tab will become above the pivot pin. Lower the scraper into position on the pivot pins. Be sure the spring is oriented as shown.



Install the springs onto their spring posts on both sides as shown below. The spring posts have a groove lathed out of them where the spring mounts.



Finally, the #4 scraper can be installed. Position the scraper with the number on the correct (left) side and insert the blade under the #4 roller. It may be helpful to slide the blade along the roller and then rotate the scraper mounting tabs down onto the pivot pins. Install the springs as shown below.



SPEED REDUCER

This speed reducer contained the proper amount of AGMA lubricant No. 8 compound when it left from the factory. Replace it after 30 days operation with the same kind of NEW oil, or equal. Afterwards, oil should be changed about every six months. (Lubricant may be obtained from your local Dayton Motor distributor, such as W.W. Grainger, cat. no. 2W577 in one quart containers.)

CAUTION: NEVER COMPLETELY FILL ANY REDUCER WITH OIL. IT WILL CAUSE OIL LEAKAGE AND OVER-HEATING WHICH RESULTS IN RAPID WEAR OF OIL, SEALS, BEARINGS AND GEARS. THE OIL SHOULD BE ON LEVEL WITH THE OIL-LEVEL PLUG, NEVER ANY HIGHER.

CAUTION: DO NOT CLEAN EQUIPMENT WHILE CONNECTED TO ELECTRICAL SUPPLY!

TROUBLE SHOOTING GUIDE

PROBLEM	CAUSE	REMEDY
Machine will not start.	Check plug. Check circuit breaker. On/Off switch. Safety Micro-switch.	Plug in. Turn on or replace. Turn on machine. If defective, have qualified service company replace. Covers (3) should be in position. Turn switch to "on" position. If machine does not start, have qualified service company check micro-switch and relay. Replace if defective.
Dough sticks to rollers.	Rollers dirty. Blade not tight to roller. Worn blades. Dough wet and sticky.	Unplug machine and clean rollers. Unplug machine and replace scraper springs. Order replacements from Anets Service Department and replace. Dust rollers and dough ball with flour.
Dough sticks in in-feed hopper.	Dough too thick. Dough accumulation. Dough ball has "blunt edge".	Flatten dough piece further. Clean hopper. Use pusher bar on hopper to force feed dough into rollers.
Dough tears.	Dough too cold. Dough too warm. Reducing dough thickness too quickly.	Bring dough to near room temperature. Some recipes require slight chill 45° to 60°F. Adjust upper rollers to a thinner setting or bottom rollers to a thicker setting.