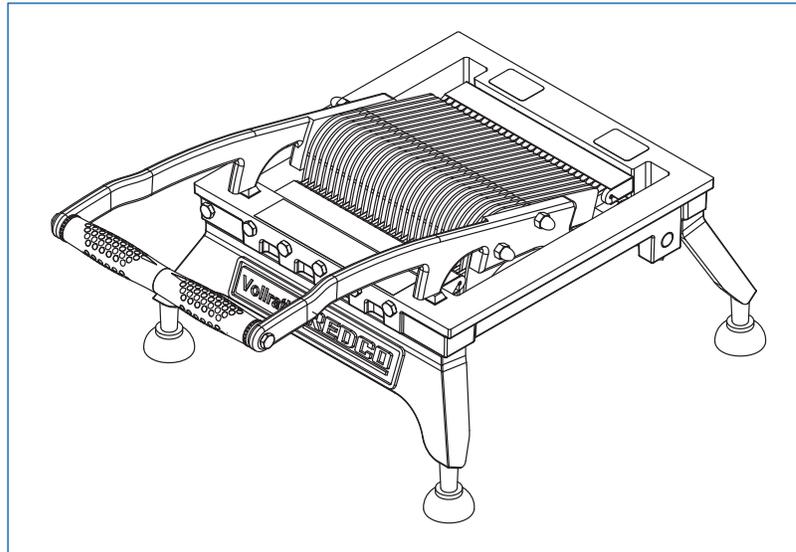


Operator's Manual



Fruit Cutter™ 403NH



Thank you for purchasing this Vollrath Food Processing Equipment. Before operating the equipment, read and familiarize yourself with the following operating and safety instructions. **SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.** Save the original box and packaging. Use this packaging to ship the equipment if repairs are needed.

SAFETY PRECAUTIONS

To ensure safe operation, read the following statements and understand their meaning. This manual contains safety precautions which are explained below. Please read carefully.

WARNING

Warning is used to indicate the presence of a hazard that can cause severe personal injury, death, or substantial property damage if the warning is ignored.

CAUTION

Caution is used to indicate the presence of a hazard that will or can cause minor personal injury or property damage if the caution is ignored.

NOTE

Note is used to notify people of installation, operation, or maintenance information that is important but not hazard-related.

For Your Safety!

These precautions should be followed at all times. Failure to follow these precautions could result in injury to yourself and others or damage the equipment.

To reduce risk of injury or damage to the equipment:

- Check equipment before each use to insure the equipment is clean.
- Check for broken, nicked or dull blades and if found, replace the blade assembly.
- Check to insure that the pusher head sits down completely on the rubber bumpers.
- If necessary, lubricate guide rods using a light coating of mineral oil, Petro Gel, or food grade lubricant. **DO NOT USE COOKING OIL AS IT WILL BECOME STICKY AND MAY PERMANENTLY DAMAGE THE PUSHER HEAD BEARINGS**

FUNCTION AND PURPOSE

Intended for cutting, dicing and wedging vegetables and fruits.

FEATURES AND CONTROLS

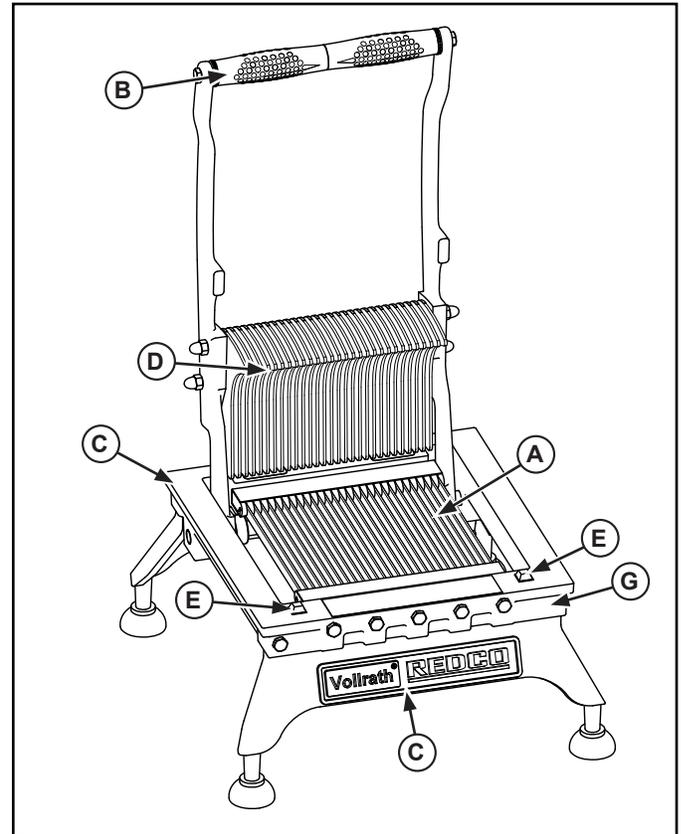


Figure 1. Features and Controls Fruit Cutter.

- (A) **BLADE ASSEMBLY.** Houses the blades. Specifically sized to match the corresponding pusher head block.
- (B) **HANDLE.** Used to lower and raise the pusher head.
- (C) **LEGS.** Supports the equipment.
- (D) **PUSHER HEAD ASSEMBLY.** Made up of the guides and the pusher head block (and the handle for tabletop models).
- (E) **BUMPERS.** Cushions the stop of the pusher head.
- (G) **BASE ASSEMBLY.** Holds the guide rods and parts of the equipment.

UNPACKING THE EQUIPMENT AND INITIAL SETUP

Carefully remove crating or packaging materials from the equipment. Dispose of all packaging materials in an environmentally responsible manner.

Leg installation Fruit Cutter:

1. Install the rubber feet (E) on to the legs (C). See Figure 2.
2. Use the screws (A) and washers (B) to install legs (C) tightening with wrench (D).

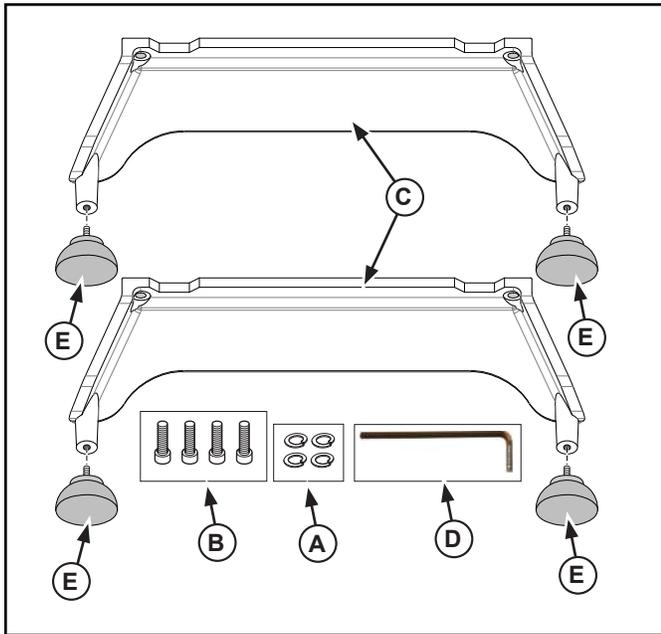


Figure 2. Legs, Hardware and Tool for the Fruit Cutter.

- Secure legs (C) to base (D) using screws (A) and washers (B). See Figure 3.

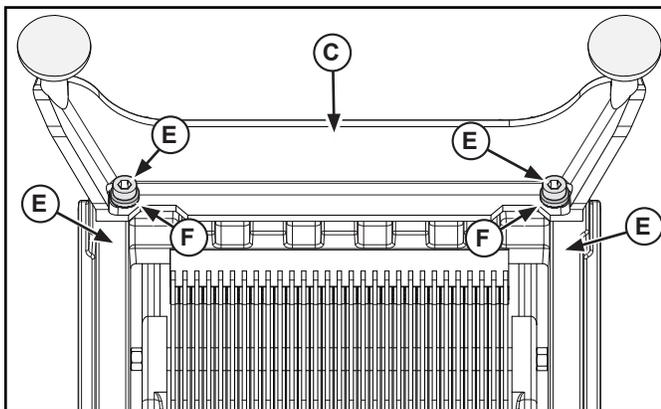


Figure 3. Mounting the Legs on the Fruit Cutter.

OPERATION

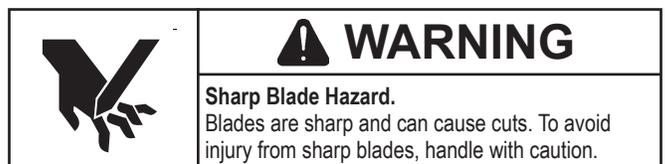


Prior to first use, it is important to clean the equipment. Wash new blades with warm soapy water and rinse thoroughly to remove the thin protective oil film.

- Before each use, check that the equipment is clean and the blades are in good condition. If loose or broken blades are found, blades must be serviced.
- Before each use, always check for proper blade alignment. Slowly set the pusher head (D) onto the blade assembly. See Figures 1 and 2. They should slide together with no obstructions. If there are obstructions, verify they are a matching set.

- Verify that the blade assembly and pusher head assembly are the desired size.
- Prepare the food product to be processed.
- Lift the handle (B) and place the food on the blade assembly (G) with the flat side down. See Figures 1.
- Remove hand from the blade assembly (G) area and place that hand on the leg (C).
- Using a strong, quick, downward thrust, force the food product through the blade assembly.
- Repeat this process until you have prepared enough food product for your daily needs.
- Clean and lubricate your equipment immediately after each use. See the **CLEANING** section of this manual for more information.

CLEANING



To maintain the appearance and increase the service life, clean your daily.

NOTE:
Food acids will make blades dull and corrode the metal. Always clean this food preparation equipment immediately after every use.

- Raise the handle to put the highest position. See Figures 1 and 2.
- Clean large excess pieces of scrap with the special brush provided with this equipment.
- Wipe, rinse or spray off equipment, pusher head and blade assembly thoroughly with HOT water.
- Do not wipe across the blades or use scrub pads on this equipment. Wiping across the sharp edge of the blade can cause injury and will dull the blades.
- The blade assembly (G) is best cleaned by forcing water under pressure through the blades from the unsharpened side. If necessary, use a nylon bristle cleaning brush to push food particles out from the unsharpened side of the blade assembly (G).
- Do not put this equipment in a dishwasher or dish machine with soaps, detergents, or other alkaline chemicals that can harm the equipment.
- After cleaning, let the equipment air dry.
- Lubricate the guide bar with mineral oil or Petro Gel after each use. Do not use cooking oil as it will become sticky and may permanently damage the equipment.

PREVENTATIVE MAINTENANCE

- Clean equipment after every use.
- Use for intended purposes only.
- Change blades regularly - based on usage.

REPLACING BLADE ASSEMBLY

	WARNING
	Sharp Blade Hazard. Blades are sharp and can cause cuts. To avoid injury from sharp blades, handle with caution.

Wash new blades with warm, soapy water and rinse thoroughly to remove the thin protective oil film. Keep the sharp edge away from you when handling blades.

1. Familiarize yourself with the parts diagram for your equipment.
2. Allow ample room to work on a flat, dry surface.
3. Raise the handle and pusher head as far up as it will go.
4. Verify that the bumpers (10) are installed. If missing, clean the surface and install new blade block shield(s). See Exploded View and Parts List.
5. Remove the screws retaining the blade assembly (23). Carefully remove and dispose the blade assembly.

6. Examine the pusher fingers (16). If they are nicked or burred, smooth the rough edges with a small flat file. The spaces between the fingers must be uniform. Straighten any bent fingers.
7. Verify that blade shields (27) are installed on the blade assembly.
8. Place the blade assembly (23) into the frame (1) so the it is seated correctly and the sharp side up. See Figure 1.
9. Install the screws into the rear side of the blade assembly (23). Tighten until contact is made with the base assembly (1). Turn the screw until tight, do not exceed 1/2 turn or 40 in. lbs.
10. Place rubber washer between the base assembly (1) and the blade assembly (23). Insert the screws through the frame, and rubber washer into the blade assembly. Turn the screw until tight, do not exceed 1/2 turn or 40 in. lbs.
11. Slowly bring the pusher head assembly (11) down to the blade assembly (23). If there is contact, the pusher head may need to be adjusted. To adjust, loosen the locking collar sets crews and position then adjust the pusher head fingers. Tighten the locking collar set screws.
12. Lubricate the guide bar with mineral oil or Petro Gel after each use. Do not use cooking oil as it will become sticky and may permanently damage the equipment.

TROUBLESHOOTING

If the equipment no longer processes food cleanly or without damage to the food product, the blades could be dull and be in need of replacement. Broken, bent, or nicked blades must be replaced.

Problem	It might be caused by	Course of Action
Broken Blade.	Blades were dull.	Pre-score whenever possible to avoid undue shock and stress to blades Replace the blade assembly.

SERVICE AND REPAIR

Please contact the qualified professional repair service listed below.

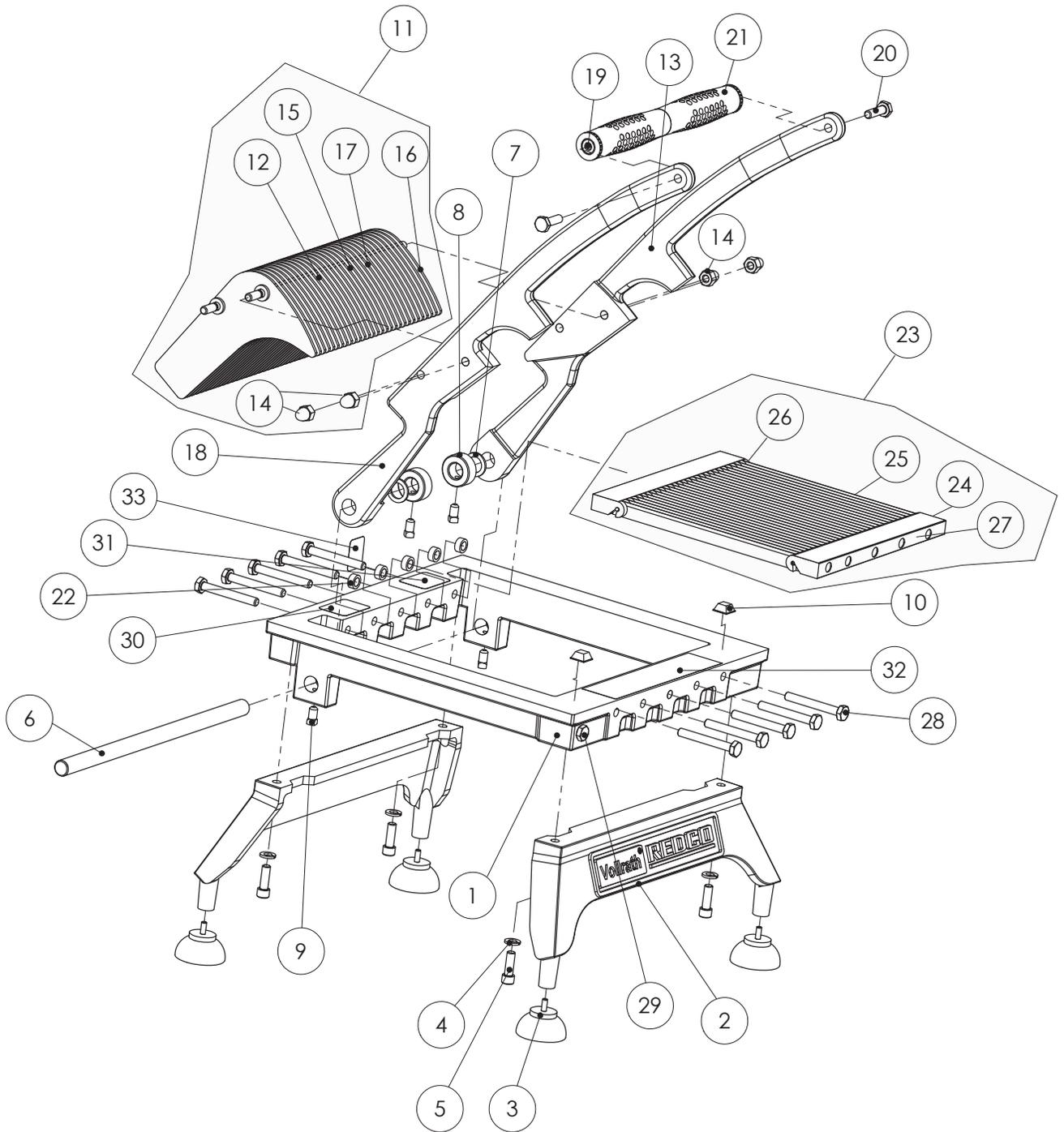
When contacting the Authorized Professional Service Center, please be ready with the model number, serial number, and proof of purchase showing the date the equipment was purchased.

SPARE PARTS LIST - 403NH FRUIT CUTTER

Callout	Part Number	Description
1	468	Base Casting
2	25096-2	Casting Leg
3	855506	Rubber Foot, Suction
4	2212002	Lockwasher, 1/4
5	414	Socket Head Cap Screw 1/4-20 x 3/4
6	454	Pivot Rod
7	490	Washer, Nylon
8	453	Shaft Collar
9	4422R	Screw, 1/4-20 x 3/8
10	506	Rubber Bumper
11	483	Pusherhead Assy, (ref. 12,14,15, 16, 17)
12	N/A	Finger Retainer Rod
13	456	Cast Pusher Side Arm, RH.
14	519	High Crown Acorn Nut 1/4-20
15	N/A	Spacer, .088" Long
16	N/A	Finger
17	N/A	Spacer, 0.160" Long

Callout	Part Number	Description
18	457	Cast Pusher side Arm, LH.
19	N/A	Pusher Handle
20	415	Screw, 1/4-20 x 7/8
21	455	Handle, Plastic Grip - Red, (Ref 19)
22	0655	Neoprene gasket
23	485	Blade Kit 1/4 (Ref. 24, 25, 26, 27, instructions)
24	N/A	Blade Block, 1/4 in. Cut
25	N/A	Blade
26	N/A	Blade Pin
27	N/A	Shield Lock
28	427	Hcss, 1/4-20 x 2
29	N/A	Screw, 1/4-20 x 1/2
30	23501502-3	Label - blade notice
31	N/A	Label - barcode
32	25084-1	Label "Fruit Cutter"
33	N/A	Label NSF
Not Shown	4425	Cleaning Brush

SPARE PARTS LIST - 403NH FRUIT CUTTER



ENGLISH