

# **OPERATION MANUAL FOR**



**Models**

**R4N Series D**

**Serial Numbers: 232xxxxx13**

**and**

**R6N Series D**

**Serial Numbers: 235xxxxx13**

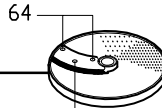
- I. INTRODUCTION**
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- III. OPERATING INSTRUCTIONS**
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- V. TROUBLE SHOOTING AIDS**
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**PARTS DRAWINGS & PART LISTS  
ELECTRICAL SCHEMATICS  
SERVICE AGENCY LIST**

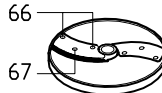
## Series-D Plates

**IMPORTANT NOTICE:** Use this chart only if a  
"Series-D" mark is displayed on your machine.

Size	Slicing Plates	Replacement Blades (1 Per Plate)
4mm.....	1.....	7
5mm.....	2.....	8
8mm.....	3.....	9
10mm.....	4.....	10
14mm.....	5.....	11
19mm.....	6.....	12

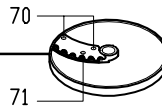
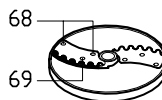


65



Size	Slicing Plates	Replacement Blades (2 Per Plate)
1mm.....	75.....	78
2mm.....	76.....	79
3mm.....	77.....	80

Size	Waved Slicing Plate	Replacement Blades (1 per Plate)
5mm.....	13.....	14

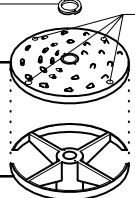


Size	Waved Slicing Plates	Replacement Blades (2 Per Plate)
2mm.....	81.....	83
3mm.....	82.....	84

Size	Cabbage Grating Plate	Replacement Grids (1 Per Plate)
4mm.....	15.....	16

\* Number not  
Available at  
printing.

17



(Complete  
Plate)

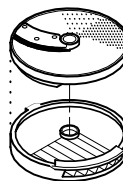
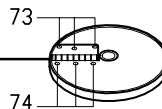


Size	Grating Plates	Replacement Grids (1 Per Plate)
EX Fine.....	85.....	94
Hard Cheese.....	86.....	95
1.5mm.....	87.....	96
2mm.....	88.....	97
3mm.....	89.....	98
4mm.....	90.....	99
5mm.....	91.....	100
7mm.....	92.....	101
9mm.....	93.....	102

Cabbage Grating Plate Base.....	18
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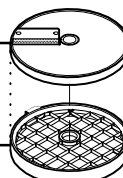
Grating Plate Base.....	103
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Size	Julienne Plates	Replacement Blades Vertical    Horizontal
2x2mm.....	19.....	26.....33
4x4mm.....	20.....	27.....34
6x6mm.....	21.....	28.....35
8x8mm.....	22.....	29.....36
2x4mm.....	23.....	30.....37
2x6mm.....	24.....	31.....38
2x8mm.....	25.....	32.....39



Size	French Fry Kit	Plate Only	Blade Only	Grid Only
8x8mm.....	104.....	106.....	108.....	110
10x10mm.....	105.....	107.....	109.....	111

Size	Dicing Kit	Plate Only	Blade Only	Dicing Grid Only
5x5mm.....	40.....	46.....	52.....	58
8x8mm.....	41.....	47.....	53.....	59
10x10mm.....	42.....	48.....	54.....	60
14x14mm.....	43.....	49.....	55.....	61
20x20mm.....	44.....	50.....	56.....	62
25x25mm.....	45.....	51.....	57.....	63



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\*: ACCESSORY  
NNA: NO LONGER AVAILABLE  
NA: NOT AVAILABLE AT TIME OF PRINTING

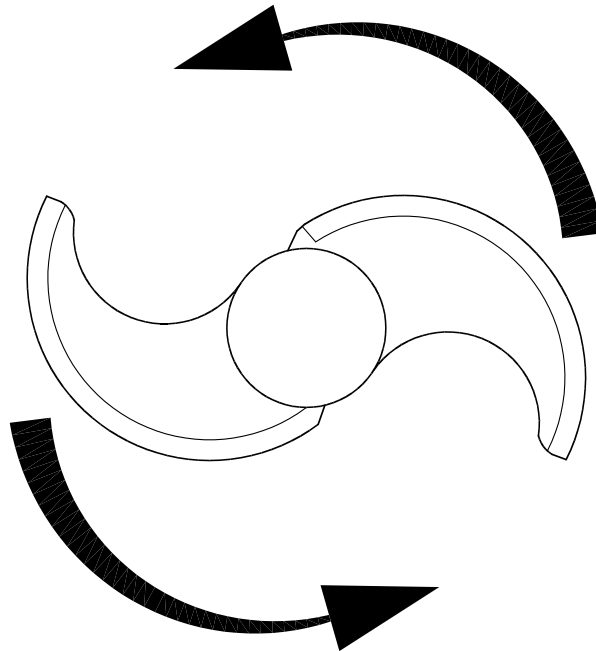
PRICES AND OTHER INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE

Cutting Plates		Price list for USA only
<b>Series D</b>		This list is only to be used for machines having a "Series D" mark.
Indexes	Part #	Description
1	C477SA	*4mm Slicing Plate
2	C437SA	* 5MM Slicing Plate
3	C436SA	* 8MM Slicing Plate
4	C435SA	* 10MM Slicing Plate
5	C434SA	* 14MM Slicing Plate
6	C422SA	* 19MM Slicing Plate
7	C449SBA	1.5mm Blade Only
8	C449SBA	1.5mm Blade Only
9	C449SBA	1.5mm Blade Only
10	C449SBA	1.5mm Blade Only
11	C449SBA	1.5mm Blade Only
12	C449SBA	1.5mm Blade Only
13	C464W	*5mm Waved Slicing Plate
14	29786	(AA)Waved Blade, Curved
15	28136	*(AA)4MM Grating Plate
16	Number NA	Description NA
17	Number NA	Description NA
18	Number NA	Description NA
19	C460JA	*2mm Julienne Plate
20	C462JA	*4x4 Julienne Plate
21	C438JA	*6mm Julienne Plate
22	C466JA	8x8 Julienne Plate
23	C483JA	*2x4 Julienne Plate
24	C484JA	*2x6 Julienne Plate
25	C486JA	*2x8 Julienne Plate
26	C461JBA	Vertical Blade Only
27	C463JBA	4mm Julienne Vertical Blade Only
28	C439JBA	6mm Julienne Vertical Blade Only
29	C467JBA	8mm Julienne Vertical Blade Only
30	C4831JBA	2x4 Julienne Vertical Blade Only
31	C4841JBA	2x6 Julienne Vertical Blade Only
32	C4861JBA	2x8 Julienne Vertical Blade Only
33	C440JBA	2mm Julienne Horizontal Blade Only
34	C440JBA	2mm Julienne Horizontal Blade Only
35	C440JBA	2mm Julienne Horizontal Blade Only
36	C440JBA	2mm Julienne Horizontal Blade Only
37	C440JBA	2mm Julienne Horizontal Blade Only
38	C440JBA	2mm Julienne Horizontal Blade Only
39	C440JBA	2mm Julienne Horizontal Blade Only
40	28110	* (AA) 5x5 Dicing Kit Series "D"
41	28111	* (AA) 8x8 Dicing Kit Series "D"
42	28112	* (AA) 10x10 Dicing Kit Series "D"
43	28113	* (AA) 14x14 Dicing Kit Series "D"
44	28114	* (AA) 20x20 Dicing Kit Series "D"
45	28115	*(AA) 25x25 Dicing Kit Series "D"
46	28128	*(AA)5 MM Slicing Plate Series D
47	28129	*(AA)8 MM Slicing Plate Series D
48	28130	*(AA)10 MM Slicing Plate Series D
49	28131	*(AA)14 MM Slicing Plate Series D
50	28132	*(AA)20 MM Slicing Plate Series D

51	28133	*(AA)25 MM Slicing Plate Series D
52	29780	(AA) Knife W/Screws For Slicing Plate
53	29780	(AA) Knife W/Screws For Slicing Plate
54	29780	(AA) Knife W/Screws For Slicing Plate
55	29780	(AA) Knife W/Screws For Slicing Plate
56	29780	(AA) Knife W/Screws For Slicing Plate
57	29780	(AA) Knife W/Screws For Slicing Plate
58	28117	*(AA)Grid Only, 5x5 Dice Series D
59	28118	*(AA)Grid Only, 8x8 Dice Series D
60	28119	*(AA)Grid Only, 10x10 Dice Series D
61	28120	*(AA)Grid Only, 14x14 Dice Series D
62	28121	*(AA)Grid Only, 20x20 Dice Series D
63	28122	*(AA)Grid Only, 25x25 Dice Series D
64	CL590C	8mm Screw
65	CL590B	6mm Screw
66	CL590C	8mm Screw
67	CL590B	6mm Screw
68	CL590B	6mm Screw
69	CL590A	5mm Screw
70	CL590C	8mm Screw
71	CL590B	6mm Screw
72	CL590C	8mm Screw
73	CL590B	6mm Screw
74	CL590D	10mm Screw
75	C444SA	*1mm Slicing Plate
76	C445SA	*2mm Slicing Plate
77	C446SA	*3mm Slicing Plate
78	C449SBA	1.5mm Blade Only
79	C449SBA	1.5mm Blade Only
80	C449SBA	1.5mm Blade Only
81	C445W	*2mm Waved Slicing Plate
82	C446W	*3mm Waved Slicing Plate
83	29786	(AA)Waved Blade, Curved
84	29786	(AA)Waved Blade, Curved
85	C495GPA	*1mm Pulping Plate
86	C452GPA	*Hard Cheese Grating Plate
87	C494GPA	*1.5mm Grating Plate
88	C451GPA	*Fine (2mm) Grating Plate
89	C450GPA	* Medium Grating Plate 3MM
90	C475GPA	*4mm Medium Grating Plate
91	C453GPA	*Coarse 5mm Grating Plate
92	C478GPA	*7mm Grating Plate
93	C433GPA	*Extra Coarse (9mm) Grating Plate
94	101062	(Z) Grid Only For C495GPA
95	C456GN	Ex-Fine Grate Grid Only
96	C404GN	1.5mm Grating Grid Only For C494GPA
97	C455GN	Fine Grating Grid Only for C451GPA
98	C454GN	Medium Grating Grid Only for C450GPA
99	C475.1GN	Grid Only for C475GPA
100	C457GN	Coarse Grating Grid Only For C453GPA
101	C418GN	7mm Grating Grid Only For C478GPA
102	C458GN	Extra Coarse Grating Grid Only For C433GPA
103	C459BA	Grating Plate Base
104	28134	*(AA) 8x8 F.F. Set Series "D"
105	28135	*(AA) 10x10 F.F. Set Series "D"
106	29267	*(AA)8x8 FF Slicing Disk Series D
107	29276	*(AA)10x10 FF Slicing Disk Series D
108	29564	(AA)Knife Only, FF Set Series D
109	29564	(AA)Knife Only, FF Set Series D
110	118395	* (AA)8x8 FF Grid Only Series D
111	118396	*(AA)10x10 French Fry Grid Only Series D

## IMPORTANT NOTICE

### 3-PHASE MOTORS DRIVE SHAFT ROTATION



**Three phase motors may rotate either direction.**

The required motor rotation is **counterclockwise**.

Check the rotation before attaching the cutter blades.

Changing the motor rotation requires a qualified electrician.

Also, see the note attached to the end of the power cord.

## CAUTION:

**Always connect the Robot Coupe to a grounded outlet with Ground fault circuit interrupter (GFCI) protection device.**

**Disconnect the machine from the power outlet when not in use and when cleaning or servicing the unit.**

**Machine must be operated and stored in a location not subject to water drips or spray or explosive vapors.**

**The machine must not be modified in any way from its original configuration.**

**Should the machine malfunction or should any part be damaged, it must not be operated until it is repaired by a qualified technician using only genuine Robot Coupe® repair parts.**

**Operating times of 5 minutes or longer can cause processed food to increase to temperatures above 125 F.**

**Failure to follow operating instructions or attempts to operate the machine outside its design limits may create a hazardous condition that could damage the machine and /or injure users.**

**The machine must be operated on a clean sturdy counter or table. Keep the area around and under the machine clear to allow air circulation. Otherwise, the motor can overheat.**

## I. INTRODUCTION

The Robot Coupe commercial food processor performs a host of culinary feats. It is specifically designed for high speed and quality vegetable processing. The Robot Coupe also provides a wealth of safety and operating features to make volume food preparation a pleasure rather than a chore.

This operators manual is broken down into sections giving you detailed instructions for assembly and operation of the continuous feed attachment and the cutter bowl attachment. Close attention should be paid to all instructions in this manual to ensure a long life and safe utilization of your food processor.

**This manual should be kept within easy access to all users for reference, and should be read completely by all first time users of the machine.**

**CAUTION: Your Robot Coupe comes with sharp cutting blades and or, cutting “plates”. Always handle with safety in mind. We suggest that a pair of cut-resistant gloves be worn when handling any cutting plates or blades.**

**Never put nonfood items in the machine.**

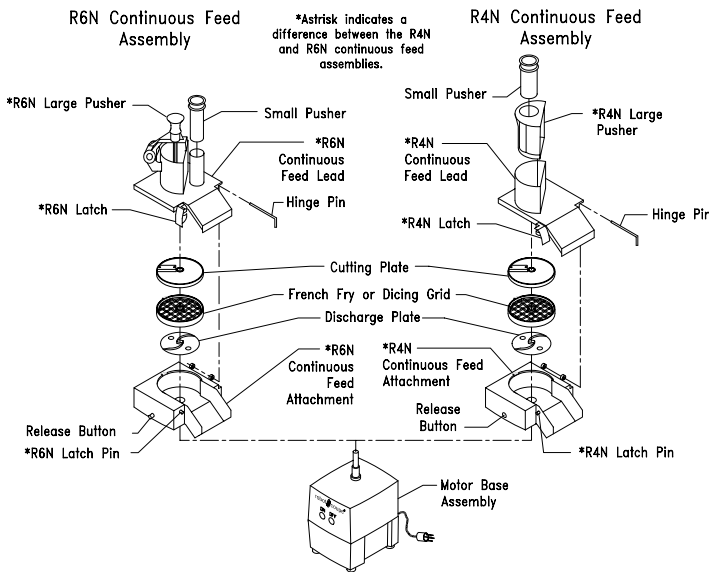
**NOTICE: If the machine fails to operate as described in this manual, or if the machine malfunctions in any way, remove the machine from use and have it serviced. Additionally, discard all food processed at the time of the malfunction.**

### Machine Specifications:

Models R4N and R6N are equipped with 2 speed motors that plug into a standard 208/240 volt 60 Hz 3 phase power outlet. The full load amperage rating is 2.6 amps on low speed and 2.8 amps on high speed. The machines are supplied with stainless steel bowls: the R4N with a four liter and the R6N having a 6 liter bowl. Both machines are supplied with s-blade and clear polycarbonate cover. The machines are supplied with a continuous feed attachment and 2 cutting plates as standard.

## II. ASSEMBLY / DISASSEMBLY INSTRUCTIONS

### A. Assembling the Continuous Feed Attachment



### ALWAYS UNPLUG THE CORD DURING ASSEMBLY AND DISASSEMBLY

**STEP #1** Place the motor base assembly at a comfortable height on a sturdy work surface. Remove the plastic discharge plate from inside the continuous feed attachment. Place the continuous feed attachment on the motor base with the release button at front center of the motor base assembly. Rotate the attachment counterclockwise until it locks into place with a snap action. When the attachment is in the proper position, it should be level with the top surface of the motor base assembly. **NOTE:** The machine will not operate correctly unless the continuous feed attachment is fully seated and secured in place.

**STEP #2** Place the discharge plate on the motor shaft with the appropriate side up. Use the side with the small straight fins for all julienne cuts or other delicate cuts. The large finned side may be used for dicing or shredding. The product will not exit the machine without the discharge plate.

**Warning Wear cut-resistant gloves when handling the cutting plates or the blade.**

**STEP #3** IF YOU ARE PREPARING TO SLICE OR JULIENNE: Place the plate of your choice on the motor shaft and turn clockwise until it drops into place and is fully seated. The top of the plate should be just above the surface of the continuous feed attachment.

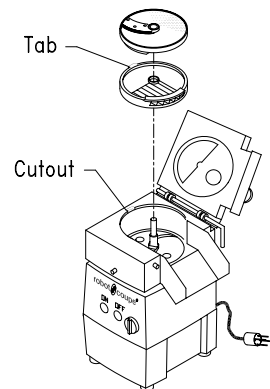
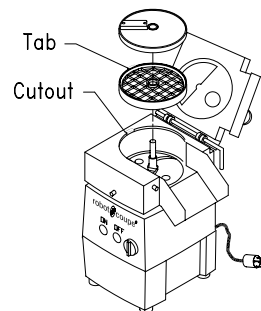
**STEP #4** IF YOU ARE PREPARING TO DICE OR USE A FRENCH FRY COMBINATION: **NOTE:** The recessed rim on the continuous feed attachment must be free from product

and clean so the grid can be firmly seated. **The discharge plate must be in the machine or the product will not exit.**

With the tab on the plastic grid aligned with the cutout in the Continuous Feed Attachment, place the plastic grid onto the recessed rim of the Continuous Feed Attachment. Put the appropriate slicing plate on top of the dicing grid with the stem of the plate DOWN. **NOTE:** Only those slicing plates designed with a locking "L" shape slot can be used in conjunction with a dicing grid. Never attempt to use a "regular" slicing plate (1mm, 2mm, 3mm) in conjunction with a dicing grid as it may cause damage to the continuous feed lead and/or the pushers. Rotate the plate until the cutout in the stem drops into place on the motor shaft pin. Continue rotating the plate a full turn. If rubbing occurs DO NOT PROCEED-call your service agency.

### French Fry Combination Assembly

#### Dicing Combination Assembly



**STEP #5** Place the continuous feed lead on the continuous feed attachment and secure in place with the holding pin. The lead should fit flush on the continuous feed attachment.

### B. Disassembly of the continuous feed attachment

**STEP #1** Turn the unit off and unplug the power cord from the wall outlet.

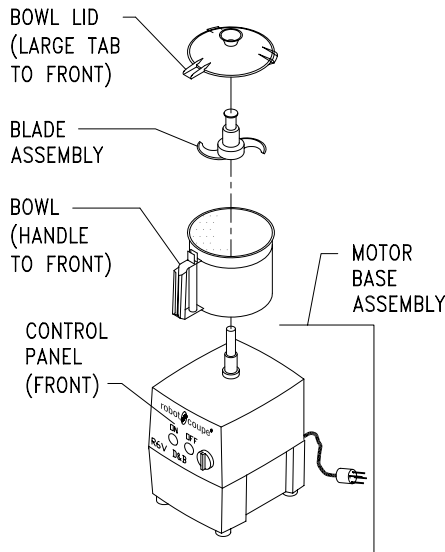
**STEP #2** Pull out the hinge pin from continuous feed lead and lift the latch at upper right front of machine and remove the continuous feed lead.

**STEP #3** Remove the cutting plate. **Wear cut-resistant gloves.** Rotate the plate slightly counterclockwise, then lift up and off of the motor shaft. Remove the dicing or French fry grid (if any) then, lift out the plastic discharge plate.

**STEP #4** Press the release button on the continuous feed attachment and at the same time turn the continuous feed clockwise. The continuous feed releases and can be lifted off over the motor shaft.

### C. Assembling the Cutter Bowl Attachment

1. The cord should always be unplugged during assembly and disassembly.
2. With the handle turned to the front, put the bowl down on the motor base. Turn the bowl handle to the left of center and the bowl should drop into place level with the top of the motor base.



3. Turn the handle back to the right until it comes to a stop and is centered with the front of the motor base.
4. Put the blade on the motor shaft and turn until it drops into place. The bottom blade should be parallel to and almost touching the bottom of the bowl.
5. With the long tab on the bowl lid turned to the left of center, put the lid on the bowl and turn counterclockwise until it stops. The long tab should be centered over the bowl handle.
6. **DO NOT OPERATE THE MACHINE UNLESS IT IS PROPERLY ASSEMBLED AND THE LID IS FULLY SEATED AND CENTERED OVER THE BOWL!**

### D. Disassembly of the cutter bowl attachment.

**STEP #1** Turn the machine OFF and UNPLUG it.

**STEP #2** Rotate bowl lid clockwise and lift off.

**STEP #3** Remove the blade assembly.

**STEP #4** Locate the release trigger on the lower back portion of the bowl handle. Pull the trigger and, at the same time, turn the bowl clockwise and lift free. **D. Disassembly of the cutter bowl attachment.**

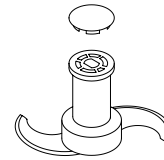
### E. Blade Assembly / Disassembly

**The blade should be disassembled and cleaned at least once a day and after each day's use.**

#### R4N Blade:

1. Unplug the cord and wear cut-resistant gloves!

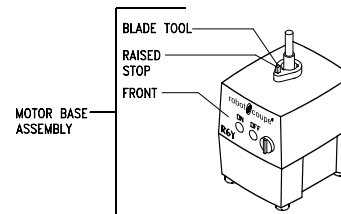
2. There is a **removable cap** in the top of the Blade. The cap should be removed before cleaning. To remove the cap, push a long blunt object such as a screwdriver, through the bottom of the blade, and knock out the top cap.



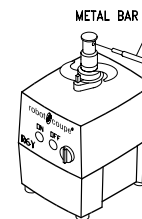
#### R6N Blade:

1. Unplug the cord and wear cut-resistant gloves!

2. Locate the blade tool shipped with your machine and put it down over the motor shaft with the raised stop facing the front of the machine.



3. Put the blade on the motor shaft so that the center of the blade assembly rests flat on the blade tool. Insert the metal bar into one of the holes in the blade cap.



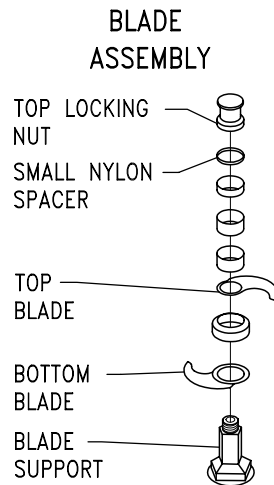
4. Turn the blade cap clockwise to tighten or counterclockwise to loosen. The bottom blade should hit the stop on the blade tool which prevents the assembly from turning. Do not overtighten.

Continued next page

5. Assemble the blades as shown, with the small nylon spacer directly under the top locking nut. The blades should be installed beveled side up.

**THE BLADE ASSEMBLY SHOULD BE TAKEN APART AND CLEANED AT LEAST ONCE A DAY.**

**APPLY SOME FOOD-GRADE GREASE OR OIL TO THE R6N ASSEMBLY TO EASE DISASSEMBLY.**



### III. OPERATING INSTRUCTIONS

#### A. Operation of the Continuous Feed Attachment

**THE UNIT SHOULD BE IN THE OFF POSITION EXCEPT WHEN PROCESSING IS UNDERWAY.** It is recommended that the machine be operated on a 50% duty cycle. This is easily accomplished since the preparation time (cleaning, coring, peeling, and loading) takes longer than the processing time.

If necessary, cut products to fit the chosen opening. Use the small round opening for (carrots, cucumbers, etc.).

**Always use the food pushers to force the product through the openings.**

Constant pressure with the pusher will yield a consistent output. More pressure will increase the thickness of the product, while light pressure will result in a thin product. If no pressure is applied, the result is sometimes inconsistent. When the pusher comes to a stop, push the off button and reload the entry port.

**Note: Application of too much pressure will increase the motor load without increasing the amount of product being cut.**

**DO NOT remove the continuous feed lead when the motor is running. Wait until the motor has come to a full stop.**

**DO NOT put anything other than food products inside the entry or exit port.**

**DO NOT attempt to run frozen products through the cutting plates.**

#### (1) Slicing Operation:

The vegetables must be prepared so that they will fit into the chosen entry port. Produce such as carrots, cucumbers, etc., should be "squared" at both ends. This will provide a consistent slice throughout the whole product. Remove the core from cabbage and lettuce and cut into halves or thirds to fit in the large entry port.

#### (2) Grating Operation:

Vegetables must be prepared so that they will fit into the chosen entry port.

Use cold cheese and apply a fine coating of cornstarch before grating to keep the finished product from sticking together. The cornstarch will not be visible and is tasteless. Grating cheese can cause overheating of the motor if not grated in the recommended manner. It is recommended that a slight pulsating pressure be applied with the pusher, alternating slight pressure then no pressure. Prepare the cheese in volumes that will permit motor cool down time during long production runs.

**(3) Dicing Operation:** The dicing operation requires that product be sliced both horizontally and vertically. The smaller the dice required, the more difficult the cut is to achieve. Soft or juicy produce will tend to mush if the dice is too small or the produce is too soft.

**Do not attempt to dice meats or cheeses.**

Damage could occur to the blades and/or the motor that will not be covered under warranty.

During the dicing operation, attention should be given to the finished product. A visible change in the product will occur when the dicing grid requires cleaning eg., more liquid. The best way to clean the grid is to remove it from the machine and force any produce on the grid through with a stiff bristle brush.

**(4) Julienne Operation:** Insertion of the product to be cut must be horizontal if a long "stick" is to be achieved, e.g. julienne zucchini for sauté. Vertical insertion will result in finely chopped products, e.g. celery. A finely chopped onion product may also be obtained with this operation by quartering the food and letting it gravity feed.

**Do not attempt to julienne meats or cheeses.**



## B. PLATE UTILIZATION:

The standard machine comes with two (2) plates. Check your most current price list for which plates are included as standard. User applications may require additional plates. The Robot Coupe processor will perform a variety of functions: slicing grating dicing, and julienne. There are a total of 34 different plates available to perform these functions (see below). The number and type of plates required will vary, depending upon the planned utilization.

- 8 slicing plates
- 8 grating plates
- 6 dicing combinations
- 7 julienne plates
- 3 wave slicing plates
- 2 straight French fry plate combinations

The eight (8) slicing plates range from 1mm (approx. 1/64") to 14mm (approx. 1/2"):

Part Number	MM Slicing	Inches (Approx.)
C444SA	1mm	1/32"
C445SA	2mm	5/64"
C446SA	3mm	1/8"
C477SA	4mm	5/32"
C437SA	5mm	3/16"
C436SA	8mm	5/16"
C435SA	10mm	3/8"
C434SA	14mm	9/16"

**The C444SA (1/32") slicing plate** offers a very fine cut. A possible use for such a fine cut is the preparation of Japanese style vegetables. Typically these products (such as carrots or celery) will be placed in the pusher horizontally to obtain a long thin product.

**The C445SA (5/64") slicing plate** finds a variety of applications. Cabbage may be sliced with this plate for New York Style Cole Slaw. Carrot curls which adorn many dishes can be achieved with this slicer. The carrot slices should be dropped into cold water to permit curling. A nice carrot coin for salads can also be obtained.

**The C446SA (1/8") slicing plate** is ideal for salad bars i.e., cucumber slices, carrot "coins" (vertically sliced Carrots). Lettuce sliced by this plate is readily used with sandwiches, tacos, etc.

**The C477SA (5/32") and C437SA (3/16") slicing plates** are also ideal for salad bar use, for the stock pot where thicker "man" size cuts are desired. This blade is excellent also for orange or lemon slices as well as tomatoes, where a nice smooth surface is desired. NOTE: You can not slice meats or cheeses on any food processor.

**The C434SA, C435SA, C436SA slicing plates** are used in

conjunction with the dicing grids. In addition thicker slices can be obtained for use in soups and stews. The C434SA (9/16") slicer also provides an excellent cut of lettuce for use in a salad.

There are eight grating plates available for use with the R6:

Part Number	Size MM	Inches (Approx.)
C495GPA	X-Fine	
C452GPA	Hard cheese	
C494GPA	1.5 mm	1/16"
C451GPA	2 mm	5/64"
C450GPA	3 mm	1/8"
C453GPA	5 mm	3/16"
C478GPA	7 mm	5/16"
C433GPA	9 mm	3/8"

**The C452GPA hard cheese grating plate** is designed specifically to grate Parmesan or Romano cheese. **CAUTION:** Softer cheese will tend to gum up the plate. The grated product is very fine. This plate can be used for making cracker or cookie crumbs. Dried bread crumbs can be obtained **CAUTION:** the moisture in fresh bread will cause clogging and poor results.

Use of either the **C451GPA, C450GPA, or C453GPA**, fine, medium, and coarse grating plates are much dependent upon personal choice and specific application. The medium and coarse grating plates offer a quality grated product with cheese, carrots, cabbage for cole slaw, etc.

A diced product requires two actions. First, a horizontal slice is made and then this slice is forced by the machine through the dicing grid to obtain a vertical cut. This results in a cubed product. The dimensions of this cube are varied via the selection of the slicing plate and dicing grid. The following slicing plates can be used with any of the dicing grids:

dicing grid	5x5 mm	8x8 mm	10x10 mm	14x14 mm	20x20 mm	25x25 mm
Plate						
5 mm	28110					
8 mm		28111				
10 mm			28112			
14 mm				28113		
20 mm					28114	
25 mm						28115
The shaded areas indicate additional combinations that can be used.						

The 5mm dicing combination is generally used for potatoes and squash because of its small size.

The 8mm smaller dicing combinations can be used for finely diced carrots, celery, etc. and readily used in soups or stews. The larger (14 mm or greater) dicing combinations work well with fruits such as apples, pears, pineapple, etc.

When dicing tomatoes, green peppers, onions, or celery always insure that the product is introduced into the machine

so that the slicing plate will be slicing across the grain of the vegetable.

**CAUTION:** The softer the produce, the less acceptable will be the finished product.

After a time of use, the dicing grid will require cleaning. A visible difference in the finished product will occur when cleaning is required. The best way to clean the grid is: remove the slicing plate, take a stiff bristle brush and force the product that is on the grid to go through.

There are seven Julienne plates available:

C460JA 2 x 2 mm (5/64")  
C483JA 2 x 4 mm (5/64" x 5/32")  
C484JA 2 x 6 mm (5/64" x 1/4")  
C486JA 2 x 8 mm (5/64" x 5/16")  
C462JA 4 x 4 mm (5/32")  
C438JA 6 x 6 mm (1/4")  
C466JA 8 x 8 mm (5/16")

Products such as julienne carrots, chopped celery and finely chopped onions are obtainable as well as julienne celery roots.

**DO NOT ATTEMPT TO JULIENNE MEATS OR CHEESES!**

There are three wave slicing plates:

Part Number	MM Slicing	Inches (Approx.)
C445W	2mm Waved	5/64"
C446W	3mm Waved	1/8"
C464W	5mm Waved	3/16"

The waved slicing plates work just like the straight slicing plates, except that the product has waved or ruffled sides. This can be an attractive alternative to the flat slices that are so prevalent on salad bars. By adding a waved plate you can dramatically alter the presentation of the food. As with the straight slicing plates remember that harder foods slice best when cut thinner and softer foods slice best when cut thicker.

### C. Operation of the Cutter Bowl Attachment

The cutter bowl attachment is used for chopping, grinding, pureeing, blending, mixing, and kneading of ingredients required in most every recipe.

With the power switch off and the bowl and blade secured in place (per previous instructions) you are now ready to add product to the bowl. Place the product in the bowl not over 3/4 full and rotate the cover to secure it in place. The bowl is operated using a quick start - stop action by alternately pressing the on and off switches. Control and consistency can be better achieved in this manner. Remember, if you start with a consistent product your end product will also be consistent.

**TO CHOP MEAT:** Place meat (precut 1 to 2 inches square) in the bowl. Fill approximately 1/3 to 1/2 full (no more than 2-1/2lbs.) Rotate the lid locking it in place, quickly start and stop the motor using the on/off switches. Repeat this process until product is the desired consistency.

**TO CHOP HARD CHEESE:** Place 1 to 2 inch portions of well chilled cheese into the bowl (not over 2 1/2 pounds). With the lid locked in place quickly start and stop the motor. Continue this process until you have reached the desired consistency. For powdered cheese, simply proceed as above until the particles in the bowl are about pea size then start the unit and allow the blades to run continuously until you have a fine powder.

**TO CHOP ONIONS, CELERY, CABBAGE, CARROTS. etc.** Quarter onions, and cut other vegetables into 2 to 3 inch pieces. Proceed using a quick start - stop action until the desired consistency is achieved.

**TO PUREE OR MIX:** To puree tomatoes, make sauces, or to mix and blend, place the ingredients in the bowl, turn the unit on, and allow it to run until the desired consistency is reached.

**TO MAKE MAYONNAISE:** Place 6 eggs, 3 tsp. of salt, 3 tsp. of sugar, 2/3 tsp. of dry mustard, a pinch of white pepper and a pinch of red pepper, in the bowl. Turn the unit on, and begin adding 2 qt.. of oil pouring very slowly through the top allowing the stream of oil to fall on the top of the cutter blade. When you have added 1/2 of the oil, pour in 4 oz. of vinegar and the balance of the oil. After all of the oil has been added let the machine run for 20 seconds longer. The mayonnaise is now homogenized.

**TO MAKE BREAD CRUMBS:** Place torn fresh or dried bread in the bowl, and quickly start and stop the unit. Continue this process until you reach the desired consistency or allow the unit to run continuously for fine powered bread crumbs used in stuffing mix.

#### D. GENERAL HINTS:

1. Be sure your Robot Coupe is properly assembled before using.
2. Always insure blade and attachment are tightly in place.
3. Do not fill the cutter bowl over 3/4 full.
4. Learn to operate the cutter bowl using a start - stop motion so the consistency of the prepared product can be controlled. Remember it is important to start with uniform pieces for uniform results.
5. Wash the bowl, blade and cover after every use. Do not store food in the bowl.
6. If the motor does not start when the switch is on and lid is fully in position, disengage the lid (machine is now off) and check to see if the attachment is locked in place. If okay, unplug the unit and see if any food is jamming the blade.
7. If the machine malfunctions for any reason, discard any food being processed at that time.

#### IV. PREVENTIVE MAINTENANCE/TROUBLE SHOOTING AIDS:

The Robot Coupe has been designed to provide maximum trouble free performance. Adherence to the assembly and operating instructions will further assure good performance. Additionally, if simple common sense rules are applied, a long life utilization will be achieved.

**(1) Care:** While the Robot Coupe is a ruggedly constructed machine, overall handling should be accomplished with a sense of use rather than abuse. The continuous feed attachment and the motor housing are made of rugged cast aluminum and will yield a long life if not mistreated. While the machine is reasonably portable, care should be taken not to drop it. Remove the continuous feed and any plates or other attachments before relocating the machine. Your Robot Coupe should never be picked up by the continuous feed lead the bowl or the cord. Always lift from the bottom of the motor base assembly. Care should be exercised in relocating it. Equal caution should be exercised in handling all of the parts to assure they are not subject to undue force.

**(2) Cleaning:** Proper cleaning of the machine is one of the most important preventive maintenance measures the user can employ. The high acid content of food can cause harm to electrical parts contained within the housing. Although these elements are isolated from the outside through seals, vegetable juices will tend to seep. If vegetable juices are permitted to collect on the machine over periods of use, erosion of the seals can occur. It is recommended that the machine be cleaned after each operational use, and at least once per day.

Correct cleaning procedures are required to assure that damage is not inflicted in the cleaning process. The motor support/base assembly contains the motor and electrical components.

#### DO NOT IMMERSE THE MOTOR BASE ASSEMBLY IN WATER.

While the continuous feed lead, pushers and plates are dishwasher safe, some additional cleaning may be required. Cleaning of the plates should be accomplished with care to help prevent cuts. A stiff bristle brush will be effective in knocking the food out of the crevices.

Cleaning of the motor/base assembly must be done with care. First, unplug the unit. A sponging with a soluble detergent is acceptable, making sure the water is not permitted to penetrate the seals. Clean around the seals with a small brush, taking care to remove all food. Clean the motor shaft with a small brush.

Read the label for the dish machine detergent you are using to determine if it is safe for soft metals. If you can not determine if it is safe for soft metals, then contact your supplier for this information. Many other cleaning detergents can also cause corrosion of soft metals.

Do not wash the aluminum parts of this machine using a non-metal safe detergent either in a dish machine or pot sink! Clean the aluminum feed attachment using only soft metal safe detergents.

While the continuous feed lead, pushers and plates are dishwasher safe if used with a metal safe detergent, some additional cleaning may be required. Cleaning of the plates should be accomplished with care to help prevent cuts. A stiff bristle brush will be effective in knocking the food out of the crevices.

**The blade assembly** (R6N only) should be taken completely apart and **washed after each days use** for sanitary reasons, and also to prevent the parts from becoming jammed or "freezing up". Follow the previous assembly/disassembly instructions carefully and **wear cut-resistant gloves when handling the cutting blades.**

**(3) Preventive Maintenance:** In addition to cleaning the seals, an examination should be made periodically to insure that a seal against food is being maintained. With proper care, and depending on use, the seals should last for a year or more. However, they can and should be replaced when wear or erosion is noted. It is recommended that the seals be replaced by an authorized repair agency.

Good operational performance is obtained when the blades are sharp. Continued use can dull the blades. All of the slicing and grating plates are made so that the blade can be replaced when they become dull. Always store the plate in the plate holders. Additional plate holders can be obtained from your food service distributor.

## Sharpening The Blade on The Cutting Plate

### ALWAYS WEAR CUT-RESISTANT GLOVES WHEN HANDLING THE BLADES

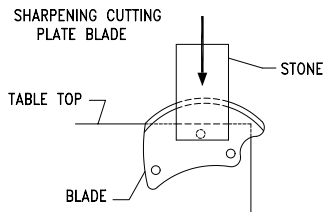
The blades can be sharpened professionally if you prefer.

1. Put on your cut-resistant gloves.
2. Using a screwdriver, remove the 2 or 3 screws holding the slicing blade to the aluminum disk.

**IMPORTANT: SOME SCREWS ARE LONGER THAN OTHERS.**

Note the hole from which each screw is removed. Reinstall all screws to their original positions.

3. Use the robot coupe stone or any good sharpening stone.
4. Hold the blade, bevel side up, flat on the edge or corner of a sturdy table.

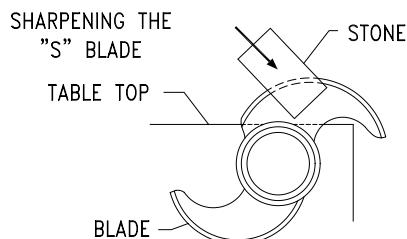


5. With the other hand hold the stone at a 30-45 degree angle against the top bevel of one blade.
6. Pull the stone into the blade edge moving from hub to tip, several strokes, until the blade is sharp.
7. Turn the blade over and rub the stone flat against the underside of the blade to remove the feather edge formed at step 5.
8. Wash the blade before reinstalling the blade in the aluminum disk.
9. Reinstall all screws to their original positions.

## Sharpening The "S" Blade

### ALWAYS WEAR CUT-RESISTANT GLOVES WHEN HANDLING THE BLADES.

1. Put on your cut-resistant gloves.
2. Use the robot coupe stone or any good sharpening stone.
3. Hold the blade flat on the edge or corner of a sturdy table.



4. With the other hand hold the stone at a 30 degree angle

against the top bevel of one blade.

5. Pull the stone into the blade edge moving from hub to tip, several strokes, until the blade is sharp.
6. Turn the blade over and rub the stone flat against the underside of the blade to remove the feather edge formed at step
7. Repeat the procedure for the other blade.
8. Wash the blade before use.

In general, the best preventive measure that can be applied is close adherence to the assembly and operator's instructions along with common sense. Make sure the continuous feed assembly is fitted on flush before operating the machine.

Your Robot Coupe is a piece of kitchen equipment and like all other kitchen equipment, extreme care and caution should be used when operating. Although training requirements are minimal, only responsible and reasonably prudent individuals should be allowed to operate your Robot Coupe.

**DO NOT remove the attachments from the base when the motor is running.**

**DO NOT put your hands, utensils, or anything other than the object to be processed into the openings or exit chute.**

**DO NOT overload the bowl with product.**

**DO NOT immerse the motor base in water.**

**DO NOT allow the machine to run unattended.**

**DO NOT use excessive force with the pusher.**  
**DO NOT remove the continuous feed lead attachment when the motor is running.**  
**Wait until the motor has come to a full stop.**

**DO NOT lift the machine by anything other than the motor base.**

**DO NOT operate a machine unless it is completely assembled and all parts including the feet are properly attached.**

## V. TROUBLE SHOOTING AIDS

The following section indicates potential problems and the correct solution which should be implemented by users. Problems which extend beyond these will require an experienced repairman. A list of the authorized service agencies is supplied.

### A. Unit does not start

1. Are all the attachments tightly in place? Be sure the **continuous feed lead** is flush with the continuous feed attachment. **Bowl:** Is the long bowl lid tab fully in place over the handle. Try again.
2. Press the off button and **unplug the unit.**
3. Remove continuous feed lead or bowl.
4. Remove any product from inside the attachment.
5. Is there any product jamming the plate or the blade?  
**Always wear cutting gloves when handling the plates or blades.**
6. Try another outlet.

### B. Continuous feed lead will not fit flush with motor base.

1. Processing plate is not in its proper position.
2. Rim of plate should be slightly above the upper edge of continuous feed attachment.

### C. Unit stops running during (while) processing.

1. **Turn unit off and unplug it.**
2. Follow A. above and try again.

### D. If unit does not operate after following above

1. Check outlet for current (breaker for fuse).
2. Try unit again.
3. Call local service agency.

### E. Unit starts to spark or smoke.

1. **Turn unit off and unplug it,** call local authorized service agency.

### F. Unit Makes grinding noise.

1. Turn off unit, disassemble, check continuous feed lead and processing plate to see if they have been rubbing together.
2. If this was the case the processing plate was not fully seated. Check for food particles inside stem of processing plate. Replace plate insuring that processing plate is fully seated. Make sure there are no food particles on the motor shaft.

### G. Food is going into machine, but not coming out.

1. Discharge Plate is not in unit.

### H. Cucumbers coming out with torn skins.

1. The Blade is dull and must be changed. **NOTE:** cucumber condition before processing should be considered.
2. Make sure the small "vane" side of the discharge plate is up.

## VI. SERVICING OF YOUR ROBOT COUPE

Your Robot Coupe has a one year limited warranty against defects in parts and workmanship. Should the unit require service, check with your distributor to see where local service is available. If not or if you wish your unit to be serviced at the factory, call for a return merchandise authorization (RMA) number, and upon receipt of same, ship it PREPAID and insured to our factory address.

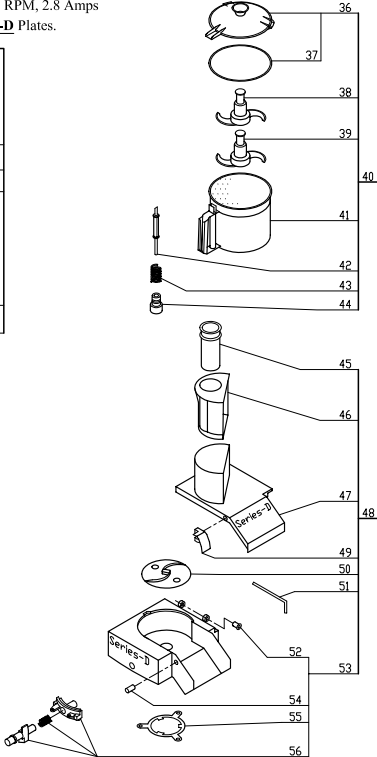
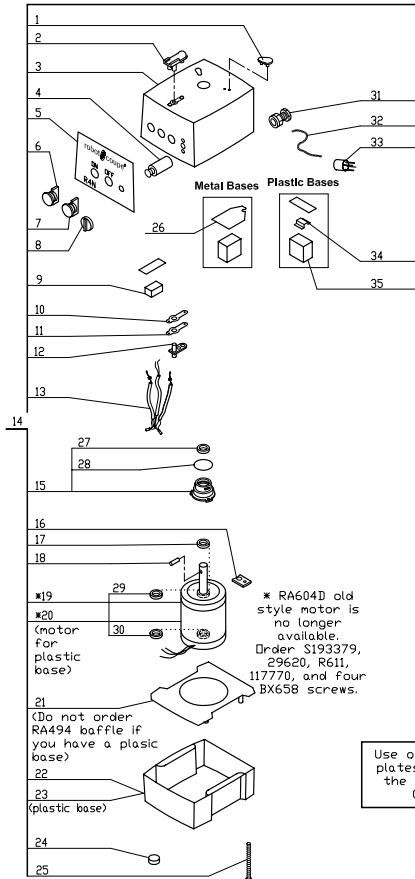
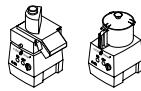
Robot Coupe USA, Inc. Service Dept.  
Phone: 1-800-824-1646  
601-898-8411

robotcoupe® U.S.A., Inc.

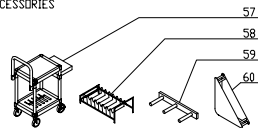
Phone: 1-800-824-1646  
Fax: 601-898-9134  
email: info@robotcoupeusa.com

## R4N Series D

Series D, Serial Numbers 232xxxxx13 (USA)  
and JA500A and above (Canadian)  
2- Speed, 208-240 Volt, 3 Phase, 60Hz., 1 HP.  
Low Speed-850 RPM, 2.6 Amps  
High Speed- 1725 RPM, 2.8 Amps  
Use **Series-D** Plates.



### ACCESSORIES

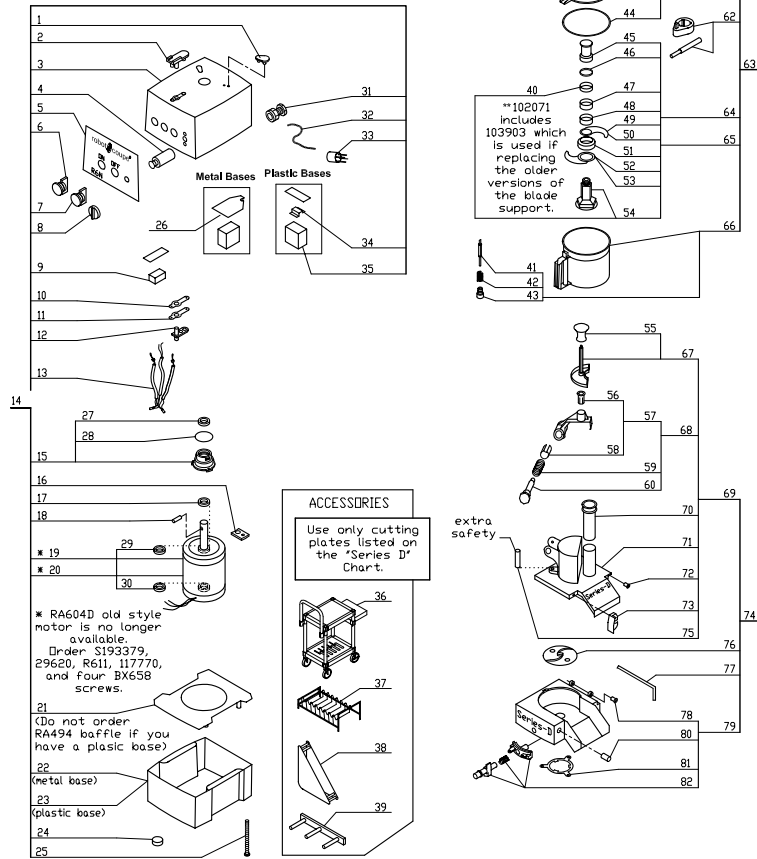


PRICES AND OTHER INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE

MODEL		Price list for USA only
<b>R4N Series D</b>		Serial Numbers 232xxxxx13 (USA)
		Use "Series D" Cutting Plates
Indexes	Part #	Description
1	RA443	Pad,Rear
2	RA441	Support/Pad,Front
3	RA406	Motor Support
4	RA415	Drum Switch
5	RA4902	Front Data Plate (R4N)
6	RA418	Green "On" Switch Assy
7	RA419	Red "Stop" Switch Assy
8	RA416	Switch Knob
9	R1090	Control Relay, Run(DPST)
10	RA441.1	Gasket
11	RA441.2	Metal Plate
12	RA442	Support,Magnetic Switch
13	C420P	Mag Switch w/Hse (2 prl)
14	RA470	R4N Motor Base Assy
15	RA467	Seal Assembly (Seal Support)
16	RA455	Plate, Motor Mounting
17	R604S	Seal, Motor
18	R492A	Shaft Pin (new style)
19	RA604D	No longer available
20	S193379	(D) Motor R4N/R6N Low-Profile
21	RA494	Baffle
22	RA493	Base
23	29620	(E) Plastic Base, Low Profile
24	RA402	Foot
25	BX658	Base Bolt W/Washer
26	RA401	Plate, Relay Mounting
27	R611	Motor Support Seal
28	RA489	O Ring, Seal Support
29	R662	Bearing, Motor Top
30	R237	6203 Bearing R2 Top/Btm
31	RA490	Strain Relief
32	R403	Cord without Plug
33	R4904	Plug 3 Phase
34	117770	(D) Din Rail 2"L. R4/R6 "D"
35	R413	Voltage Relay
36	RA420	Lid
37	RA451	Seal,Lid
38	RA422	* Blade Assy
39	RA423	* Serrated Blade Assy
40	RA472	* Bowl Assy (4 Qt)
41	RA424	Bowl
42	RA424.2	Pin, Bowl
43	RA424.3	Spring, Bowl Pin
44	RA424.4	Nut For Bowl Pin
45	RA412	Small Pusher
46	RA411	Large Pusher
47	RA409	Continuous Feed Lead
48	27198	* (D) Cont Feed Kit/R4
49	RA429	Latch
50	102690	(K)Discharge Plate
51	CL520	Hinge Pin
52	CL523	Hinge Pin Bushing
53	29784	(D)Cont Feed Bowl (R4 Series D)
54	RA477	Pin for Latch
55	118433	(D)Locking Collar
56	28107	(D)Locking Pin Assy
57	R199	* Robo-Cart
58	R255	* Plate Rack
59	CL575	* Plate Rack (wall mount)
60	R475	* Plate Rack (Individual)

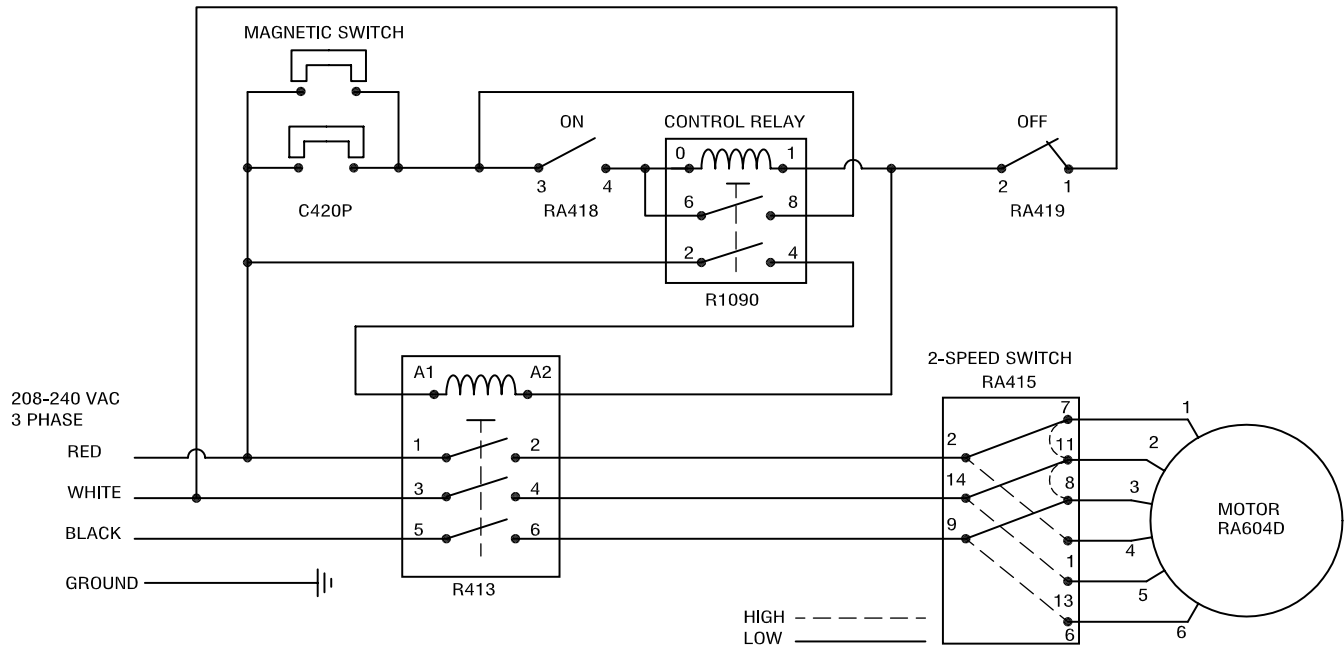
## R6N Series D

Series D, Serial Numbers 235xxxxx13  
2- Speed, 208-240 Volt, 3 Phase, 60Hz., 1 HP.  
Low Speed-850 RPM, 2.6 Amps  
High Speed-1725 RPM, 2.8 Amps  
Use **Series-D** Plates.



PRICES AND OTHER INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE

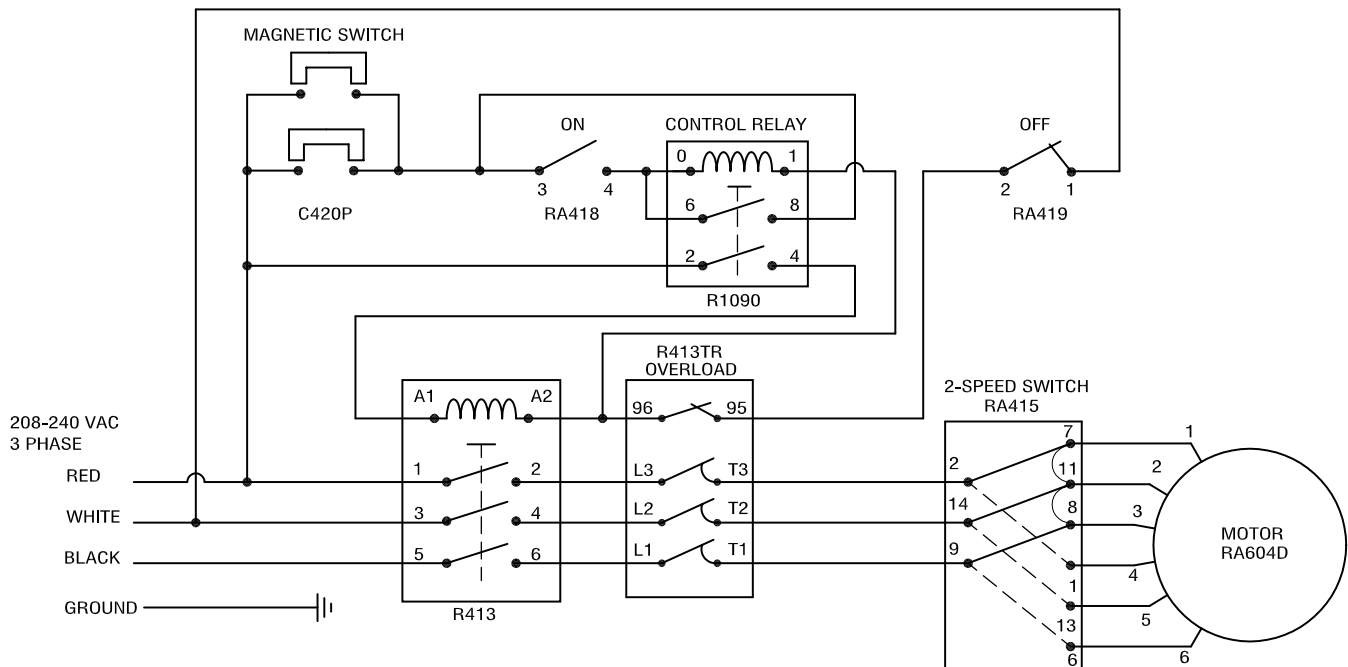
MODEL		Price list for USA only
<b>R6N Series D</b>		Series D Serial Numbers 235xxxxx13
		Use "Series D" Cutting Plates
Indexes	Part #	Description
1	RA443	Pad Rear
2	RA441	Support/Pad Front
3	RA406	Motor Support
4	RA415	Drum Switch
5	RA612N	Front Data Plate (R6N)
6	RA418	Green "On" Switch Assy
7	RA419	Red "Stop" Switch Assy
8	RA416	Switch Knob
9	R1090	Control Relay, Run(DPST)
10	RA441.1	Gasket
11	RA441.2	Metal Plate
12	RA442	Support,Magnetic Switch
13	C420P	Mag Swtch w/Hse (2 pr)
14	RA699	Motor Base Assy(R6N)
15	RA467	Seal Assembly (Seal Support)
16	RA455	Plate, Motor Mounting
17	R604S	Seal, Motor
18	R492A	Shaft Pin (new style)
19	RA604D	No longer available
20	S193379	(D) Motor R4N/R6N Low-Profile
21	RA494	Baffle
22	RA493	Base
23	29620	(E) Plastic Base, Low Profile
24	RA402	Foot
25	BX658	Base Bolt W/Washer
26	RA401	Plate, Relay Mounting
27	R611	Motor Support Seal
28	RA489	O Ring, Seal Support
29	R662	Bearing, Motor Top
30	R237	6203 Bearing R2 Top/Btm
31	RA490	Strain Relief
32	R403	Cord without Plug
33	RA904	Plug 3 Phase
34	117770	(D) Din Rail 2"L, R4/R6 "D"
35	R413	Voltage Relay
36	R199	* Robo-Cart
37	R255	* Plate Rack
38	R475	* Plate Rack (Individual)
39	CL575	* Plate Rack (wall mount)
40	103903	(D) 10mm S.S. Spacer (R6N)
41	RA645.2	Pin, Bowl
42	RA424.3	Spring, Bowl Pin
43	RA424.4	Nut For Bowl Pin
44	RA451	Seal,Lid
45	RA653	Blade Locking Nut
46	RA657	Plastic Spacer(5mm)
47	RA654	SS Spacer(15mm)
48	RA654	SS Spacer(15mm)
49	RA655	Top Blade (Straight)
50	RA656	Top Blade(Serrated)
51	RA617	Spacer,Blade
52	RA658	Bottom Blade (Straight)
53	RA659	Bottom Blade(Serrated)
54	102071	(D) Blade Support
55	CL569	Pusher Knob
56	CL588	Insert, Plastic
57	29738	(K)Bracket-Pusher Return
58	100581	(K)Bushing for Spring
59	100556	Description NA
60	118374	(K)Pivot, Pusher Return Bracket
61	RA420	Lid
62	RA616	Blade Tool Assy.
63	RA644	* Bowl Kit
64	RA651	*Smooth Blade Assembly
65	RA651A	*Serrated Blade Assy
66	RA645	Bowl
67	CL576	Large Pusher Assembly
68	29102	(D)Bracket-Pusher Return Assy
69	29696	(D)Cont Feed Lead Assy W/Extra Safety
70	118324	(L)Small Pusher
71	118376	(D)Cont Feed Lead w/Extra Safety
72	CL523	Hinge Pin Bushing
73	29501	(K)Lock for Feed Cover
74	27199	* (D) Cont Feed Kit W/Extra Safety/R6
75	118377	(K)Extra Safety Rod
76	102690	(K)Discharge Plate
77	CL520	Hinge Pin
78	CL523	Hinge Pin Bushing
79	29697	(D)Cont Feed Bowl (R6 Series D)
80	CL573	Stud Bolt, Latch
81	118433	(D)Locking Collar
82	28107	(D)Locking Pin Assy



**Models R4N & R6N Wiring Diagram**  
**USA Machines with Metal Base**  
**220V, 3 Ph, 850/1725 RPM, .5/1.0 HP, 3.2/3.0 Amps**

SPEED CONNECTIONS	
LOW	HIGH
SWITCH - MOTOR	SWITCH - MOTOR
7 - 1	1 - 4
11 - 2	13 - 5
8 - 3	6 - 6

robotcoupe®



**Models R4N & R6N Wiring Diagram**  
**Canadian with Metal Base**  
**220V, 3 Ph, 850/1725 RPM, .5/1.0 HP, 3.2/3.0 Amps**

SPEED CONNECTIONS	
LOW	HIGH
SWITCH - MOTOR	SWITCH - MOTOR
7 - 1	1 - 4
11 - 2	13 - 5
8 - 3	6 - 6

robotcoupe®



**220V, 3 Ph, 850/1725 RPM, .5/1.0 HP, 3.2/3.0 Amps**



**220V, 3 Ph, 850/1725 RPM, .5/1.0 HP, 3.2/3.0 Amps**





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280 South Perkins St., Ridgeland, MS 39157  
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website: [www.robotcoupeusa.com](http://www.robotcoupeusa.com)  
1-800-824-1646*

## ROBOT COUPE U.S.A., INC. LIMITED WARRANTY

YOUR NEW ROBOT COUPE PRODUCT IS WARRANTED TO THE ORIGINAL PURCHASER  
FOR A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE

This LIMITED WARRANTY is against defects in the material and/or workmanship, and includes labor for replacement of defective parts, provided repairs are performed by an authorized service agency (see attached list). The CUSTOMER must inform the Service Agency of the possibility of warranty coverage and provide a copy of the dated sales or delivery receipt BEFORE WARRANTY REPAIRS ARE BEGUN. Replacement parts and accessories are warranted for ninety (90) days from the date of purchase when purchased separately and will be verified by dated sales receipt OR packing slip which list that item. All parts or accessories replaced under warranty must be returned to the Service Agency.

### THE FOLLOWING ARE NOT COVERED UNDER WARRANTY.

1. Damage caused by abuse, misuse, dropping, or other similar incidental damage caused by or as result of failure to follow installation, assembly, operating, cleaning, user maintenance or storage instructions, including failure to verify and correct rotation of three phase motors.
2. Labor to sharpen and/or parts to replace knife assemblies or blades which have become dull, chipped, or worn due to normal use.
3. Material or labor to renew or repair scratched, stained, chipped, dented, or discolored surfaces, blades, knives, attachments, or accessories.
4. Transportation charges to or from an authorized service agency for repairs of a machine designated as "CARRY IN SERVICE" (Table Top Models).
5. Labor charges to install or test attachments or accessories (i.e. bowls, cutting plates, blades, attachments) which are replaced for any reason.
6. Charges to change Direction-of-Rotation of Three Phase electric motors (INSTALLER IS RESPONSIBLE). All Robot Coupe products must operate counterclockwise.
7. SHIPPING DAMAGE IS NOT COVERED BY WARRANTY. Visible and hidden damages are the responsibility of the freight carrier. The consignee must file a damage claim promptly against the carrier, or upon discovery in the case of hidden damage.

KEEP ALL ORIGINAL CONTAINERS AND PACKING MATERIALS  
FOR CARRIER INSPECTION

Robot Coupe U.S.A., Inc., Robot Coupe S.A., or any of their affiliates, distributors, officers, directors, agents, employees or insurers will not be obligated for consequential or other damages, losses, or expenses in connection with or by reason of the use of or the inability to use the machine for any purpose.