

PARTS & SERVICE

**RT-2 Series
TOASTERS**
Includes:
**RT-2, RT-2VS, RT-2CC,
RT-2AR, RT-2T**



**RT-2VS, RT-2CC
RT-2 Similar**



RT-2AR



RT-2T

The units covered by this parts and service manual, RT-2, RT-2VS, RT-2CC, RT-2AR, and RT-2T, are engineered for efficient, dependable service throughout the years. Like any other piece of fine equipment with moving parts and broad temperature ranges, physical wear takes its toll. When this happens, the information found in this manual will prove most helpful. Although the instructions are easy to follow, the work should be handled by a qualified service technician.

The information in this manual will cover those RT-2 models containing the original conveyor bar assemblies, as well as the newer RT-2 and RT-2VS models containing the wire belt conveyor assemblies.

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Savory/ALCO

An ALCO Foodservice Equipment Company

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PARTS LISTING

For Models: RT-2/RT-2VS/RT-2AR/RT-2CC/RT-2T

NOTE: The parts and part numbers listed below are common to all models except where noted.

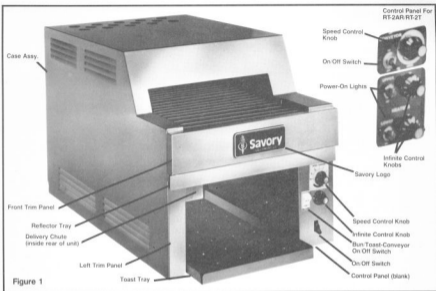


Figure 1

Description	Savory Part #	Description	Savory Part #
120V cordset w/plug 5-50P (RT-2/RT-2VS/RT-2CC)	21231	Front trim, left side (All except RT-2T) Legs, 1" plastic	12219 12668
120V cordset w/plug 5-30P (RT-2AR)	12680	Control panel (RT-2/RT-2VS/RT-2CC)	12217
208/240V cordset w/plug 6-30P (All except RT-2T)	21221	Control panel (RT-2AR/RT-2T right side)	12060
208/240V cordset w/plug 6-50P (RT-2T)	12697	Control panel (RT-2T left side)	13360
Case cover (All except RT-2T)	12146	Control panel decal (RT-2AR/RT-2T right side)	12061
Case cover (RT-2T)	13365	Control panel decal (RT-2T left side)	13373
Reflector tray (All except RT-2T)	12542	Savory logo	12523
Reflector tray (RT-2T)	13324	Speed control decal (RT-2VS/RT-2CC)	12442
Toast tray (All except RT-2T)	12075	Speed control knob (All except RT-2)	12447
Toast tray (RT-2T)	13372	Power-On light (RT-2AR/RT-2T)	51070
Delivery chute (All except RT-2T)	12386	Infinite control switch 208V and 240V	12355
Delivery chute (RT-2T)	13374	Infinite control switch 120V	21874
Delivery chute (rear delivery only) (All except RT-2T)	12405	Infinite control knob (replaces Part #41053)	12919
Front trim (All except RT-2T)	12543	On/Off switch (RT-2/RT-2VS/RT-2CC)	21213
Front trim (RT-2T)	13371	On/Off rocker switch (RT-2CC)	13089
		On/Off switch (RT-2AR/RT-2T)	68117
		Bun/Toast switch (RT-2/RT-2VS)	21351

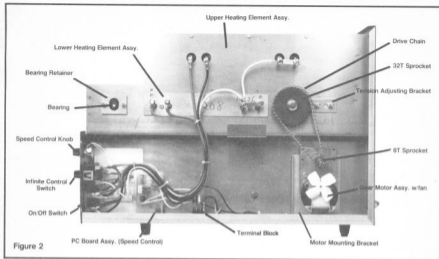


Figure 2

Description

*Upper element 120V-750 Watts	12669
*Lower element 120V-1000 Watts	12670
Upper element 208V-890 Watts	21103
Upper element 208V-650 Watts (RT-2T)	13218
Lower element 208V-1200 Watts	12126
Lower element 208V-875 Watts (RT-2T)	13219
Upper element 240V-890 Watts	21105
Upper element 240V-875 Watts (RT-2T)	13309
Lower element 240V-1185 Watts	21103
Lower element 240V-650 Watts (RT-2T)	13310
Upper element assembly 120V	12671
Lower element assembly 120V	12672
Upper element assembly 208V (RT-2/RT-2VS/RT-2CC/RT-2AR 240V)	12149
Upper element assembly 208V (RT-2AR)	12494
Upper element assembly 208V (RT-2T)	13348
Lower element assembly 208V (RT-2/RT-2VS/RT-2CC)	12150
Lower element assembly 208V (RT-2AR)	12494
Lower element assembly 208V (RT-2T)	13349
Upper element assembly 240V (RT-2/RT-2VS/RT-2CC)	12179
Upper element assembly 240V (RT-2T)	13377
Lower element assembly 240V (RT-2/RT-2VS/RT-2CC)	12176

Savory Part #

Description

Savory Part #

Lower element assembly 240V (RT-2AR)	12620
Lower element assembly 240V (RT-2T)	13378
End panel, for upper element assembly (RT-2T)	13239
Jumper	21358
Wire harness kit (wires only) 120V (RT-2T)	12251
Wire harness kit (wires only) 120V (RT-2VS)	12675
Wire harness kit (wires only) 208/240V (RT-2/RT-2VS/RT-2CC)	12909
Wire harness kit (wires only) 208/240V (RT-2AR)	12933
Wire harness kit (wires only) 208/240V (RT-2T right side)	13388
Wire harness kit (wires only) 208/240V (RT-2T left side)	13389
Terminal block (RT-2AR)	21858
Terminal block (RT-2T)	13364
P.C. Board assembly 120V (RT-2VS/RT-2CC)	12464
P.C. Board assembly 208/240V	13302
Drive chain	12412
32T sprocket assembly (All except RT-2CC)	21319
8T sprocket assembly (All except RT-CC)	30494
14T drive sprocket (RT-2CC)	13300
14T hub sprocket, 3/8" ID Hub (RT-2CC)	13733

Description	Savory Part #	Description	Savory Part #
Gearmotor assembly w/fan 120V (RT-2 RT-2VS RT-2CC)	21211	**Rear shaft assembly	12414
†Gearmotor assembly w/fan 208/240V	21212	**Front shaft assembly	12415
Gearmotor assembly w/fan 208/240V (RT-2T left side-reverse polarity)	13386	Front shaft assembly (All except RT-2T)	12549
Gearmotor fan	21714	Front idler shaft, right or left (RT-2T)	13334
Gearmotor mounting bracket	21849	Front shaft (RT-2T)	13222
Wire conveyor belt, S.S.	12578	Rear shaft assembly (All except RT-2T)	12548
Wire conveyor belt link, S.S.	12611	Rear shaft assembly (RT-2T)	13346
Wire conveyor belt, coated	12552	Front bushings (RT-2T)	13227
Wire conveyor belt, coated (RT-2T)	13311	Rear spacers	12534
Wire conveyor belt link, coated	12583	Front spacers	12533
Center divider (RT-2T)	13353	Bearings	21282
**Conveyor chain	12411	Bearing retainer	12381
**Conveyor master chain link	41215	Tension adjusting bracket	12508
		Savory lubricant	30042

*For RT-2 models with serial number 6123663 and after. Call Savory factory for part numbers prior to serial number 6123663.

**For use on early RT-2 and RT-2VS models with flat bar conveyor assemblies.

† Early RT-2T models were equipped with D.C. motors. Contact Savory factory for replacement information.

ASSEMBLY HARDWARE (RT-2 RT-2VS RT-2AR RT-2CC RT-2T)

Description	Where Used	Savory Part #
Spacer	Lower element assembly	12113
Hex hd. machine screw 8-32x1-1/4	Lower element assembly	12154
Hex hd. machine screw w/lockwasher 8-32-1/2	Upper element assembly	21370
Lock nut (twin whiz) 8-32	Element assemblies	21371
Round hd. machine screw 6-32x3/8	Variable speed mounting	12435
Lockwasher split #6	Variable speed mounting	12438
Hex nut 6-32	Variable speed mounting	17081
Round hd. machine screw 8-32x3/16	Infinite control mounting	41138
Round hd. machine screw 6-32x1/4	On/off switch mounting	21359
Hex hd. machine screw w/lockwasher 10-32x3/8	Gearmotor assembly mounting	12272
Pan binding hd. machine screw 8-32x1/4	Gearmotor assembly mounting	21273
Lock nut (twin whiz) 10-32	Shaft assembly mounting	21228
Finishing screw Oval Hex hd. sheet metal 8x3/8	Case assembly finishing screws	51246
Hex hd. sheet metal screw 8x5/16	Upper element assembly mounting	41118

PARTS REPLACEMENT

(For models: RT-2/RT-2VS/RT-2AR/RT-2CC/RT-2T)

WARNING: DISCONNECT UNIT FROM POWER SOURCE BEFORE ATTEMPTING ANY SERVICE.

I Case Removal (All models) See Figure 3 & 4

1. Remove reflector tray, toast pan, and delivery chute.
2. Remove the 2 screws along the front trim panel and remove.
3. Remove left front panel. (**Note:** RT-2T models do not have this panel.)
4. Remove the 4 screws holding control panel to unit and carefully pull panel towards you with all wires intact. Slide control panel towards center of unit.
5. On RT-2T models, remove the 4 screws holding case to underside of toaster floor.
6. With hands on each side of case, pull forward to remove.

II Case Replacement (All models)

1. Slide case over unit making sure tabs on the sides and top of case fit into grooves on back of unit.
2. On RT-2T models, replace the 4 screws to underside of toaster floor.

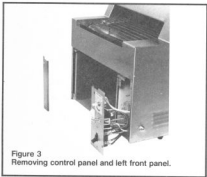


Figure 3
Removing control panel and left front panel.

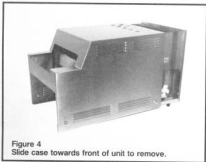


Figure 4
Slide case towards front of unit to remove.

3. Carefully replace control panel.
4. Replace left front panel and front trim panel.
5. Replace reflector tray, toast pan, and delivery chute.

III On/Off (Main Power) Switch (RT-2/RT-2VS/RT-2CC)

1. With control panel removed (Section I), remove the 2 slotted screws holding the on/off switch to the control panel.
2. Disconnect wires and remove switch.
3. Install new switch from rear of panel and reconnect wires. (Refer to appropriate wiring diagram.)

IV Conveyor On/Off Switch (RT-2AR/RT-2T)

1. With control panel removed (Section I), disconnect wires to switch noting proper orientation.
2. Remove bezel from front of panel, and push switch through back of panel.
3. Insert new switch from back of panel. (**Note:** Be sure terminals are in correct position.)
4. Attach bezel on front of panel and tighten.
5. Re-attach wires to switch. (Refer to appropriate wiring diagram.)

Conveyor On/Off Switch (RT-2CC)

1. Remove control panel (Section I).
2. The switch is held in place by a spring clip on the back of the control panel. Pry this clip from the 2 switch tabs and remove.
3. Squeeze the spring clip together and push it through the front of the control panel.
4. Disconnect wires from switch.
5. Install new switch from front of panel. (**Note:** New switch has spring clip already attached.)
6. Re-attach wires to switch. (Refer to appropriate wiring diagram.)

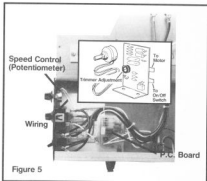


Figure 5

V Infinite Control Switch (RT-2/RT-2VS/RT-2CC)

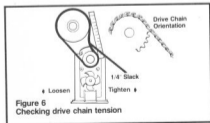
1. With control panel removed (Section I), remove the infinite control knob to gain access to the 2 slotted screws that hold the control to the unit. Remove these 2 screws.
2. Disconnect wires from infinite switch terminals.
3. Install new switch from back of panel and re-attach wires. (Refer to appropriate wiring diagram.)

Infinite Control Switches (RT-2AR/RT-2T)

The two infinite controls on the RT-2AR and the RT-2T models serve as on/off switches to the heating elements. The upper infinite knob controls the upper elements and the lower infinite knob controls the lower heating elements. Replacement is the same as for the RT-2/RT-2VS/RT-2CC models.

VI Bun-Toast Switch (RT-2/RT-2VS)

1. Remove control panel (Section I).
2. The bun-toast switch is held in place by a spring clip on the back of the control panel. Pry this clip from the 2 switch tabs and remove.
3. Squeeze the spring clip together and push it through the front of the control panel.
4. Disconnect wires from switch.
5. Install new switch from front of panel. (**Note:** New switch has spring clip already attached.)
6. Re-attach wires to switch. (Refer to appropriate wiring diagram.)



VII Speed Control/P.C. Board Assembly (RT-2VS/RT-2AR/RT-2CC/RT-2T) See Figure 5

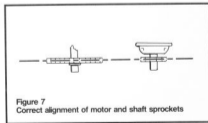
NOTE: The speed control and p.c. board are wired together and must be replaced as an assembly.

1. With control panel removed (Section I), loosen set screw on speed control knob and remove.
2. Remove retaining nut that holds speed control in place and remove from back of panel.
3. Disconnect motor lead and on/off lead from p.c. board terminals.
4. Remove the 2 screws and nuts holding p.c. board to floor of unit and remove assembly.
5. Reverse this procedure to install new assembly. (Refer to appropriate wiring diagram.)

P.C. Board Adjustment

The p.c. board is factory set and should not require adjustment. If speed control range appears faulty, the following procedure should be carried out:

1. Turn speed control knob clockwise until it stops.
2. Connect to power source and turn unit on.
3. Turn trimmer adjustment to right to start conveyor motor running. Now turn trimmer adjustment screw to the left to slow conveyor motor. Continue turning screw until motor just stops. Adjustment is now completed. All further adjustments can be made by operating at 1 speed control knob.



VIII Gearmotor See Figures 6 & 7

1. With outer case removed (Section I), disconnect motor leads from on/off switch and terminal block and cut wire ties at floor panel.
2. Remove the 2 retaining bolts from the underside of the unit.
3. Remove the drive chain and lift out motor.
4. Separate motor from motor mounting bracket by removing the 4 slotted screws on the bracket.
5. Using a 1/16" allen wrench, remove the drive sprocket from the motor shaft.
6. Attach new gearmotor to motor mounting bracket. Make sure fan blade spins freely.
7. Install drive sprocket on motor shaft making sure the allen screw rests on the flat of the shaft. Do **NOT** tighten set screw.
8. Install new motor with bracket attached. Do **NOT** tighten retaining bolts.
9. Replace drive chain over sprockets.

10. Slide motor to right until the drive chain is taut. There should be approximately 1/4" play in the drive chain. Tighten retaining bolts on underside of unit.
11. Check drive chain alignment. Tighten drive sprocket set screw.
12. Re-attach motor leads to on/off switch and terminal block. (Refer to appropriate wiring diagram.)

IX Drive Chain (All models) See Figures 6 & 7

1. With outer case removed (Section I), loosen the 2 motor mounting bracket retaining bolts on underside of unit, but do **NOT** remove.
2. Slide motor to the left to loosen drive chain tension.
3. Remove drive chain.

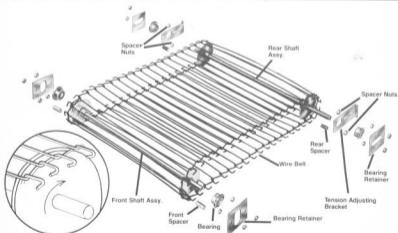


Figure 8
Conveyor assembly for models RT-2, RT-2VS, RT-2CC, RT-2AR

4. Install new chain over sprockets with open looped side of chain facing up.
5. Slide motor to right to tighten drive chain tension. There should be approximately 1/4" play in the drive chain.
6. Check for proper drive chain alignment. (See Figure 7)
7. Tighten motor mounting bracket retaining bolts on underside of unit.

X Drive (Motor) Sprocket (All models)

Note: RT-2 RT-2VS RT-2AR RT-2T models use 8T sprockets. RT-2CC models use 14T sprockets.

1. With outer case removed (Section I), and drive chain removed (Section IX), loosen the set screw on sprocket with a 1/4" allen wrench and remove sprocket.
2. Install new sprocket on motor shaft making sure allen screw rests on the flat of the shaft.
3. Replace drive chain (Section IX).

XI Rear (Conveyor) Shaft Sprocket (All models)

Note: RT-2 RT-2VS RT-2AR RT-2T models use 32T sprockets RT-2CC models use 14T sprockets

1. With outer case removed (Section I), and drive chain removed (Section IX), loosen the 2 set screws on sprocket with a 1/16" allen wrench and remove sprocket.
2. Install new sprocket on conveyor shaft aligning the 2 set screws with the holes on the shaft.
3. Replace drive chain (Section IX).

XII Conveyor Chain (RT-2/RT-2VS/RT-2AR/RT-2CC) See Figures 8 & 9

1. With outer case removed (Section I), loosen motor mounting bracket retaining bolts on underside of unit, and slide motor to the left.
2. Loosen rear shaft adjusting bracket nuts and bearing retaining bracket nuts on both sides of unit. (See Figure 2)
3. Slide rear conveyor shaft forward to loosen tension.
4. Separate the chain at any link and slide out from front of unit.
5. Before installing new chain, check for proper orientation (See Figure 8), and correct number of links.
6. Starting at front of unit, slide chain under front shaft and push towards rear of unit. Bring chain up and over rear shaft assembly and pull towards front. Connect links. **CAUTION: MAKE SURE CHAIN IS NOT INSTALLED AT AN ANGLE.**
7. Push back on rear shaft assembly until excess slack is removed from chain. Holding tension, tighten both the rear shaft adjusting brackets and bearing retaining brackets on both sides of unit.
8. Check for proper tension. There should be approximately 3/8" to 3/4" space between the conveyor chain and the ledge on the inside of the unit cavity. (See Figure 9)
9. Slide motor to right to tighten drive chain tension. There should be approximately 1/4" play in the drive chain. (See Figure 6)

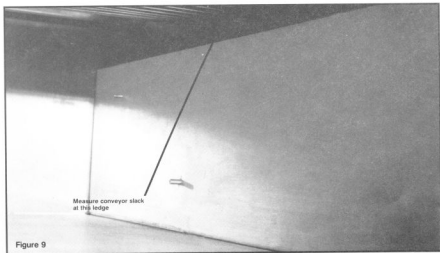


Figure 9

10. Tighten motor mounting bracket retaining bolts on underside of unit.

Conveyor Chain (RT-2T) See Figures 9 & 10

1. With outer case removed (Section I), loosen front conveyor shaft bolts at either end of shaft.
2. Slide front shaft rearwards to loosen chain tension.
3. Separate chain at any link and slide out of unit.
4. Before installing new chain, check for proper orientation.
5. Starting at front of unit, slide chain under front shaft and push towards rear of unit. Bring chain up and over rear shaft assembly and pull towards front. Connect links. **CAUTION: MAKE SURE CHAIN IS NOT INSTALLED AT AN ANGLE.**
6. Pull front shaft until excess slack is removed from conveyor chain. There should be approximately 3/8" to 3/4" space between the bottom of chain and the ledge on the inside of the unit cavity.
7. Tighten bolts at either end of front conveyor shaft. **NOTE:** Both left and right side conveyor chains are adjusted by the front shaft. To insure proper tension and chain alignment, both chains should use same number of links.
8. Replace outer case (Section II).

XIII Carrier Bars (For RT-2 RT-2VS models with older style conveyor systems)

NOTE: WIRE CHAIN CONVERSION KIT #12553 IS AVAILABLE

1. With outer case removed (Section I), loosen motor mounting retaining bolts on underside of unit and slide motor to the left.
2. Loosen rear shaft adjusting bracket nuts and bearing retainer bracket nuts on both sides of unit.

3. Slide rear shaft forward to loosen tension.
4. Starting at front of unit, grasp bar with both hands, applying pressure with thumbs until bar can be bent to free one end from conveyor chain link. Bar will then slip off other end of conveyor chain link.
5. Rotate conveyor and remove remaining bars.
6. Install new bars by inserting one end of the bar on conveyor chain link. Apply pressure in center of bar so opposite end can be inserted. **CAUTION:** Make sure all bar ends are pointing towards front of unit and that no two bars overlap on any one conveyor chain link.
7. Rotate conveyor and install remaining bars.
8. Push back on rear shaft assembly until excess slack is removed from chain. Holding tension, tighten both the rear shaft adjusting brackets and bearing retaining brackets on both sides of unit.
9. Check for proper chain tension. There should be approximately 3/8" to 3/4" space between the conveyor chain and the ledge on the inside of the unit cavity.
10. Slide motor to the right to tighten drive chain tension. There should be approximately 1/4" play in the drive chain.
11. Tighten motor mounting bracket retaining bolts on underside of unit.

XIV Carrier Bar Conveyor Chain (For RT-2 RT-2VS units with older style conveyor systems)

NOTE: WIRE CHAIN CONVERSION KIT #12553 IS AVAILABLE.

1. Follow steps #1 through #5 in Section XIII.
2. Rotate conveyor master link between shaft assembly sprocket and conveyor chain guide strip. This allows for easier access to master link.

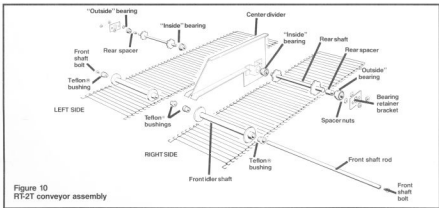


Figure 10
RT-2T conveyor assembly

3. Hold chain up at master link and remove spring clip from outside of link using a needle nose pliers.
4. Remove master link plate and master link.
5. Remove conveyor chain. Repeat procedure for opposite side if needed.
6. Install new conveyor chain over rear shaft, feeding the end towards the front and lap over the front shaft.
7. Install and connect master link. Repeat procedure for opposite side if needed.
8. Spin conveyor to make sure chains are running smoothly over shafts.
9. Follow steps "6 through "11 in Section XIII.

**XV Front and Rear Shaft and Bearings
(RT-2/RT-2VS/RT-2AR/RT-2CC) See Figure 8**

1. Remove outer case (Section I), and conveyor chain (Section XII).
2. **To remove front shaft bearings**, first remove the bearing retainers on both sides of unit.
3. With retainers removed, slide bearing out (with shaft if necessary). Note proper location of the spacer washers on the front bearing retainer studs.

4. Replace bearings (and front shaft if necessary).
5. **To remove rear shaft bearings**, remove drive chain (Section IX), and conveyor shaft sprocket (Section XI).
6. Remove bearing retainer brackets at both sides of unit and slide bearings out. Shaft can be replaced at this time if needed. Note proper orientation of hex head spacers.
7. Replace bearings (and rear shaft if necessary), shaft sprockets, and drive chain (Section IX).
8. Replace conveyor chain (Section XII).

Front Shaft and Bushings (RT-2T) See Figure 10

NOTE: The front shaft assembly supports both the right and left conveyors and is serviced as one assembly.

1. Remove outer case (Section I), and conveyor chain (Section XII).
2. Remove shaft bolts at either side of conveyor shaft assembly and lift from unit.
3. Disassemble shaft assembly by sliding idler shafts from shaft rod, and removing teflon bushings.
4. Check shaft rod for wear at points that rotate on bushing.

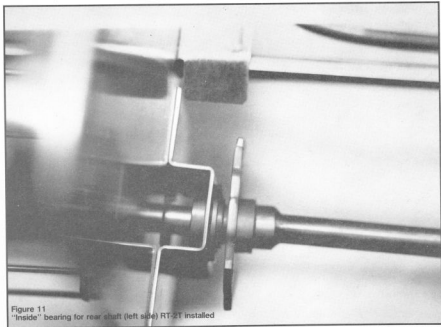


Figure 11
"Inside" bearing for rear shaft (left side) RT-2T installed

5. Replace the 4 teflon bushings and reassemble shaft assembly. Replace worn shaft rod if necessary.
6. Install shaft assembly and conveyor chain. Check chain tension (Section XII).
7. Replace outer case (Section II).

Rear Shaft and Bearings (RT-2T)

See Figures 10 & 11

NOTE: There is one rear shaft for each of the two conveyors. Each shaft has 2 bearings. The "inside" bearing is supported by the conveyor divider and is accessible through the toaster cavity.



Figure 12
Disconnecting wires at heating elements
using pliers to prevent twisting of terminals

1. Remove outer case (Section I), and conveyor chain (Section XII).
2. Remove drive chain (Section IX), and conveyor sprocket (Section XI).
3. Remove bearing retainer bracket and slide "outside" bearing and spacers off shaft. "Inside" bearing can be removed by sliding shaft out as far as possible so that the bearing will clear its support bracket on the divider. Slide bearing off shaft end.
4. Rear shaft can now be replaced if necessary.
5. Install shaft through cavity with bearing in place on the "inside" end of shaft. Insert "outside" end of shaft into the "outside" bearing hole for clearance. Then slide "inside" bearing with shaft into its retainer bracket on conveyor bracket. (See Figure 11)
6. Install "outside" bearing, spacer, bearing retainer bracket, shaft sprocket, drive chain, and conveyor chain.

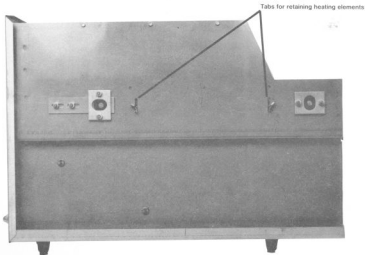


Figure 13

WARNING: When replacing Heater Element Assemblies or individual Heater Elements, make sure that no part of the terminal wire is in contact with any surface of the unit. End of element should be centered through hole in assembly. (See Figure 17)

XVI Lower Heater Element Assembly (RT-2/RT-2VS/RT-2AR/RT-2CC) See Figures 12, 13, 14, & 17

1. With outer case removed (Section I), disconnect wires from upper and lower heater terminals.
2. At left side of unit, bend the 2 protruding tabs to achieve clearance through slots.

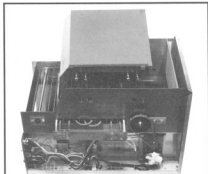


Figure 14
Removing upper and lower heating element assemblies. RT-2/RT-2VS/RT-2AR/RT-2CC models

3. Slide out assembly from right side of unit.
4. Reverse this procedure to install replacement assembly.

Lower Heater Element Assembly (RT-2T) See Figure 15, 16, & 17

NOTE: Both the right and left side lower heating elements are part of one assembly. Servicing of either the right or left side requires the removal of the entire lower heating element assembly. The assembly should be removed from the right side of the unit.

1. With outer case removed (Section 1), disconnect wires from lower heater terminals on both sides of unit.
2. On left side of unit only, separate conveyor chain at any link to gain access to heater element retainer bracket and nut.
3. Remove the 2 upper hex head sheet metal screws holding the end plates to both sides of the unit. (See Figure 15)
4. On the left side only, remove the 2 heater element retainer screws and nuts. Note the proper orientation of spacers and retainer brackets. (See Figure 16)
5. Remove end plate.
6. Slide out assembly from the right side of unit.
7. Install replacement assembly from the right side of unit.

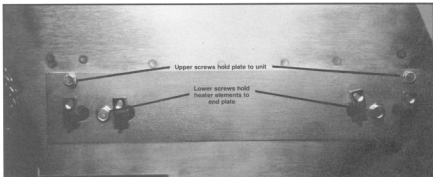


Figure 15
Left side of RT-2T showing hex head screws that attach lower heating element end plate to toaster

8. Secure the 2 hex head sheet metal screws on the right side of unit.
9. Replace end plate on left side of unit.
10. Replace the 2 heater element retainer screws and nuts. Check for proper orientation of the spacers and retainer brackets.
11. Re-connect conveyor chain.
12. Re-attach wires at terminal ends. (Refer to appropriate wiring diagram)
13. Replace outer case (Section II).

XVII Upper Heater Element Assembly (RT-2RT-2VS/RT-2AR/RT-2CC) See Figures 12, 14, & 17

1. With outer case removed (Section I), disconnect wires from upper heater terminals.

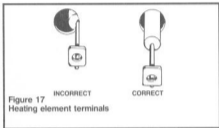


Figure 17
Heating element terminals

2. Remove the 6 hex head screws located on the top edge of unit.
3. Lift off assembly.
4. Reverse this procedure to install replacement assembly.

**Upper Heater Element Assembly (RT-2T)
See Figures 12, 14, 17, & 18**

1. With outer case removed (Section I), disconnect wires from upper heater terminals.
2. Remove the 3 screws at each heater end plate, and remove plates.
3. Remove the 3 screws at the top of the assembly and lift off.
4. When replacing the heater element assembly, be certain the clips at each end of the underside of assembly engage the center divider.
5. Reverse this procedure to install replacement assembly. (Refer to appropriate wiring diagram)

XVIII Individual Elements – Upper and Lower (All Models) See Figures 19 & 20

1. With outer case removed (Section I), remove the heater element assembly (Section XVI or XVII)
2. Remove the two hex head screws holding elements to the end plate. Note proper orientation of spacers, nuts, and retainers bars. (Upper heater assembly does not have spacers.)

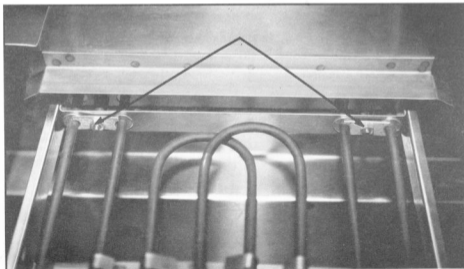


Figure 16
Left side of RT-2T showing lower heater element retainer screws, nuts, spacers, and retainer bracket

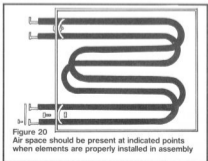
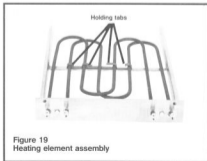
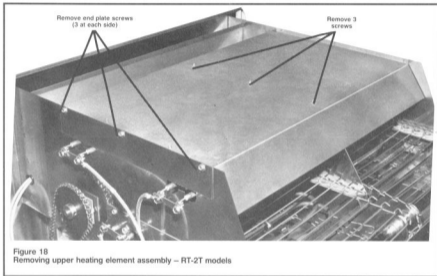
3. Bend holding tabs to achieve clearance of each individual element.

CAUTION: CHECK FOR PROPER VOLTAGE AND WATTAGE STAMPED ON EACH ELEMENT BEFORE INSTALLATION.

4. When installing new elements, make sure element with raised bend is placed on top and the flat element is on bottom. There should be air space between the two elements. (See Figure 20)
5. Replace element assembly (Section XVI or XVII)

XIX Power-On Light (RT-2T/RT-2AR)

1. With control panel removed (Section I), disconnect wire leads from back of light.
2. Press spring loaded tabs on back of light and push light through front of panel.
3. Insert new light from front of panel and snap into place.
4. Re-attach wire leads. (Refer to appropriate wiring diagram)



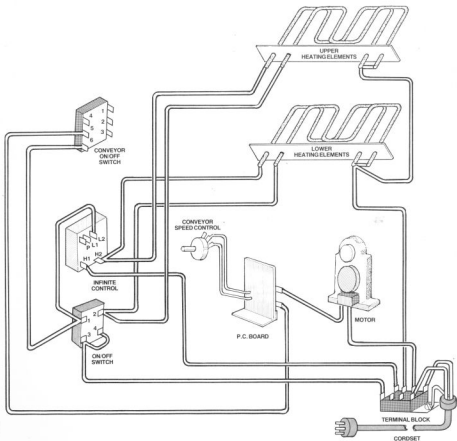
XX Lubrication (All models)

It is strongly recommended that you lubricate the conveyor chain and front and rear bearings periodically with Savory Lubricant (Part #30042). This is a high temperature oil mixed with graphite and not available in local hardware supply outlets. Any other lubricant will burn off immediately with no lubrication results. **Lubrication is not covered under warranty.**

To Lubricate Conveyor Chains: Remove outer case (Section I), and drive chain (Section IX). Apply

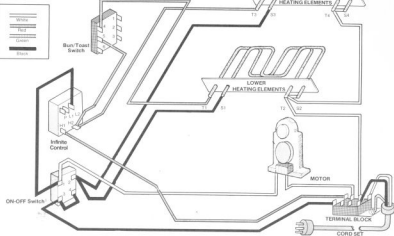
no more than two drops of oil on each conveyor chain link. Rotate conveyor to lubricate all links and work in oil. Lubrication of chains will prevent stiffness and rust and decrease wear on shaft sprockets.

To Lubricate Bearings: Remove outer case (Section I). Apply a few drops of oil to inner race of bearings. Oil will work itself into bearings. Lubricating the bearings periodically will prevent wear, squeaking, and unnecessary seizing which puts a strain on the gearmotor.



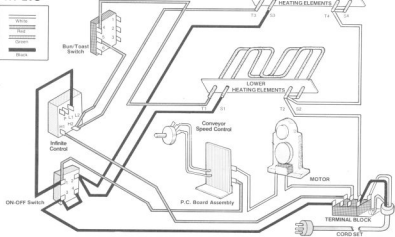
Wiring Diagram for RT-2CC

RT-2

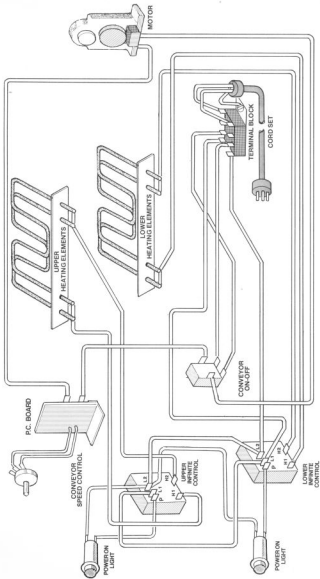


Wiring Diagram for RT-2

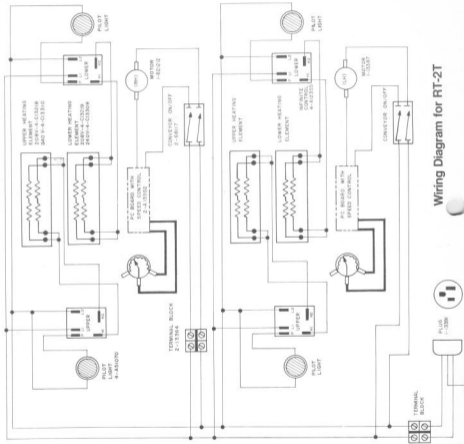
RT-2VS



Wiring Diagram for RT-2VS



Wiring Diagram for RT-2AR



Wiring Diagram for RT-2T

TROUBLESHOOTING

Problem	Possible Causes	Suggested Remedies
No heat, conveyor belt does not run	<ol style="list-style-type: none">1. Defective or improper electrical outlet.2. Defective plug or line cord.3. Defective on/off switch.	<ol style="list-style-type: none">1. Check voltage at receptacle. Check that voltage conforms to Savory specifications on unit data plate.2. Check plug and line cord. Replace if necessary.3. Replace switch.
Unit fails to heat	<ol style="list-style-type: none">1. Defective infinite control switch.2. Defective heating elements.3. Defective, loose, or improper wiring or terminal block.	<ol style="list-style-type: none">1. Replace switch.2. Replace elements.3. Check wiring and terminal block for improper connections or defects. Refer to wiring diagram.
Insufficient heat or no heat from upper or lower heaters	<ol style="list-style-type: none">1. Defective heating elements.2. Defective or improper wiring or terminal block.	<ol style="list-style-type: none">1. Turn unit on and set heat at #9. Observe elements after a 15 minute warm-up period. Replace any element that does not glow.2. Check wiring and terminal block for improper connections or defects. Refer to wiring diagram.
Heat stays high, cannot be regulated	<ol style="list-style-type: none">1. Defective infinite control switch.	<ol style="list-style-type: none">1. Replace switch.
Conveyor belt is excessively noisy and/or does not run smoothly	<ol style="list-style-type: none">1. Worn shaft bearing(s).2. Incorrect conveyor belt tension.3. Incorrect alignment of drive chain, gearmotor, or sprockets.4. Worn sprockets and/or drive chain.	<ol style="list-style-type: none">1. Replace bearing(s).2. Adjust tension.3. Adjust alignments.4. Replace sprockets and/or drive chain.

(continued on page 19)

TROUBLESHOOTING (continued)

Problem	Possible Causes	Suggested Remedies
Conveyor belt does not run	<ol style="list-style-type: none">1. Misaligned or bent motor fan blade.2. Defect in one or more of the following:<ol style="list-style-type: none">a) wiringb) terminal blockc) speed controld) printed circuit boarde) gearmotorf) conveyor on/off switch (RT-2AR RT-2CC models)	<ol style="list-style-type: none">1. Check for proper alignment of fan blade. Adjust or replace if necessary.2. Connect AC voltmeter to gearmotor terminals. Rotate speed control to maximum. Meter reading of 208/240V indicates problem is NOT items (a) through (d). Replace gearmotor. If reading of 208/240V is not obtained, check in sequence starting with item (a) until defect is isolated. Replace any defective components. Refer to wiring diagrams. Check all connections.
Cannot regulate speed of conveyor belt	<ol style="list-style-type: none">1. Defective speed control and p.c. board assembly	<ol style="list-style-type: none">1. Replace speed control and p.c. board. NOTE: Speed control and p.c. board should be replaced as an assembly.
Gearmotor runs but conveyor belt slips or does not run	<ol style="list-style-type: none">1. Loose sprocket(s).2. Broken drive chain.3. Disengaged drive chain.	<ol style="list-style-type: none">1. Tighten sprocket(s).2. Replace drive chain.3. Adjust drive chain.
Cannot adjust heat for bun toasting (For buns, only the upper heaters should function).	<ol style="list-style-type: none">1. Defective bun/toast switch.	<ol style="list-style-type: none">1. Replace switch.