

UNIVERSAL *LTC SERVICE REFRIGERATION KIT

DATED: December 13, 1991

REVISED: April 6, 1998

SUBJECT: Field Replacement LTC Service Refrigeration Units

MODEL: All Dixie-Narco Venders

PURPOSE: To provide step-by-step instructions for removing and installing the LTC Refrigeration system in Dixie-Narco venders.

**MODEL 1203C-E KIT
609,043,50x.x4
INSTALLATION INSTRUCTIONS
903,901,36x.x1**

WIDE VENDERS:

Model Numbers Affected: 489, 588, 522T, 501T - Non Coke Venders, 432T, 501E, 600E, & DMV's

SUMMARY SHEET:

Listing Parts To Be Used For Each Style Vender - Page 9

*Note: Some models listed are no longer produced by Dixie-Narco.
1203C-E Replaces 1202C-E, 1202C, 1202, 1300C-A, 1300C, 1300, 800C, 800T, 800, or 300T.*

*LTC - Lint Tolerant Condenser

MODEL 1203C-E KIT
609,043,50x.x4

ITEM #	QTY.	PART NUMBER	DESCRIPTION
1	1	609,041,00x.x3	1/3 HP Refrigeration System

Note: Order the parts listed below as needed. Use chart on page 9 to determine parts needed.

If needed:

Order: 491,014,50x.x3 Service Refrigeration Adapter Kit

ITEM #	QTY.	PART NUMBER	DESCRIPTION
1	2	900,902,19x.x1	Stud Receiver Clip
2	1	901,806,91x.x1	LTC Fan Shroud Adapter Seal
3	1	805,800,64x.x1	LTC Ranson Base Adapter
4	1	805,800,66x.x1	LTC Ranson Right Retrofit Baffle
5	1	805,800,67x.x1	LTC Right Retrofit Baffle
7	1	491,040,05x.x3	Side Condenser Baffle (unmarked)

Order Hardware if Needed:

ITEM #	QTY.	PART NUMBER	DESCRIPTION
1	6	900,301,65x.x1	8-18x1/2 Self Drilling Screw
2	2	900,200,53x.x1	3/8-16x3/4 Cap Hex Screw
3	2	900,700,36x.x1	3/8 Split Washer

FOR INSTALLATION PURPOSES:

1. Identify Dixie-Narco manufacturing facility where vender was produced. The facility is shown on the top right corner of the serial plate.
2. Identify vender styling by using vender identification chart on page 4 for wide venders.
3. Once identification is made, follow the Removal and Installation Instructions.

REFRIGERATION UNIT REMOVAL INSTRUCTIONS

To Remove Inoperative Refrigeration System

1. **Unplug the vender.**
2. Unplug the refrigeration system.
3. Baffles
 - A. On Ranson built venders with cardboard or plastic baffles, remove right and left baffles.
 - B. On Ranson and Williston built venders with metal baffles, remove screw on each side of condenser fan shroud.
 - C. On all Ranson and Williston built venders with metal baffles serialized 0001-6000 to 1083-6030, remove right hand baffle.
 - D. On Williston built venders serialized **1084-6030 and up, DO NOT REMOVE RIGHT HAND BAFFLE.**
4. Using a 9/16" wrench, remove the two bolts and split washers which are holding down the refrigeration base and save them for the installation of the new unit.
5. On Ranson built narrow venders remove the door roller.
6. Remove the right side mullion cover and save.
7. Remove the can/bottle chute.
8. Remove wire clamp securing evaporator wires to top evaporator cover. Save clamp and screw for installation on new unit.
9. Remove top evaporator cover by removing the two securing clips and save for installation of the new unit.
10. Loosen evaporator from mounting by removing the screws and bending the tabs away from the ends. Save the screws for installation of the new unit.
11. On Ranson built units with harnessing running up the right side of the cabinet compartment, unclamp harnessing across the top of the refrigeration unit compartment.
12. Carefully slide refrigeration unit (with evaporator) forward and out of vender. Pay close attention to slide the evaporator under the harnessing. You will have to lift the harnessing to allow clearance for the evaporator.

WIDE VENDER INSTALLATION INSTRUCTIONS FOR LTC REFRIGERATION SYSTEM

Ranson Wide 432T with Plastic or Cardboard Baffles	Ranson Wide Vender with Plastic or Cardboard Baffles	Ranson Wide Vender with Metal Baffles	Williston Wide Vender
NO	NO	NO	YES
NO	NO	YES	NO
YES	YES	NO	NO
YES	YES	YES	NO
NO	NO	YES	NO
NO	NO	YES	NO
NO	NO	YES	NO
NO	NO	YES	NO
YES	YES	YES	YES
YES	YES	YES	YES
YES	YES	YES	YES

TO INSTALL, IDENTIFY VENDER ON THE VENDER IDENTIFICATION CHART TO THE LEFT AND FOLLOW THE STEPS MARKED YES FOR THAT STYLING ONLY.

1. On Williston built venders 0001-6000 to 1083-6030, install side condenser baffle (491,040,05x.x3). See figure 3, page 7.
2. On Ranson built venders with new style (4" wide) base boxes, install new right hand baffle (804,800,66x.x1) and secure. See figure 3, page 7.
3. On Ranson built venders with old style (6" wide) base boxes, install new right hand baffle (805,800,67x.x1) and secure. See figure 1, page 6.
4. On all Ranson built venders, install base adapter (805,800,64x.x1). Note: Remove syrup and/or dirt buildup on vender base before installing, to ensure proper fit of base adapter.
To Install:
 - a. Place base adapter over projection weld nuts on base of vender.
 - b. Push a stud receiver clip (900,902,19x.x1) on each of the projection weld nuts. See item 1, figure 5, page 8.
5. If vender was built in Ranson with metal baffles, push fan shroud adapter seal (901,806,91x.x1) on to left edge of condenser fan shroud. See item 2, figure 5, page 8.
6. On Ranson built venders with metal baffles, you will need to loosen front screw of drain pan and move the pan out of the way.
7. On Ranson built venders with metal baffles, remove the front screw holding the left hand baffle in place. See item 3, figure 5, page 8.
8. Note: On Ranson built venders with metal baffles, you will need to push the left baffle out of the way while inserting the refrigeration system.
9. Install the refrigeration system into the vender, keeping the power cord over the top left edge of the condenser fan shroud.
10. Secure the right baffle to the refrigeration system using No. 8 self driller (900,301,65x.x1).
11. Secure the refrigeration system to the cabinet base using the two refrigeration bolts (900,200,53x.x1).
 - a. Williston built venders use left and right slots.
 - b. Ranson built venders use left and center slots.

WIDE VENDER INSTALLATION INSTRUCTIONS FOR LTC REFRIGERATION SYSTEM

Ranson Wide 432T with Plastic or Cardboard Baffles	Ranson Wide Vender with Plastic or Cardboard Baffles	Ranson Wide Vender with Metal Baffles	Williston Wide Vender
YES	YES	YES	YES
NO	NO	NO	YES
NO	NO	YES	NO
NO	NO	YES	NO
YES	YES	NO	NO
YES	YES	YES	YES
YES	YES	YES	NO
YES	YES	YES	YES
YES	YES	YES	YES
YES	YES	YES	YES
YES	YES	YES	YES
YES	YES	YES	YES
YES	YES	YES	YES

TO INSTALL, IDENTIFY VENDER ON THE VENDER IDENTIFICATION CHART TO THE LEFT AND FOLLOW THE STEPS MARKED YES FOR THAT STYLING ONLY.

12. Route the refrigeration power cord over the top left edge of the condenser fan shroud, then wrap it around the wires coming from the refrigerated compartment towards the left side over to the "J" block where it plugs in. (DO NOT PLUG IN AT THIS TIME.)
13. On Williston built venders, secure the left hand baffle to the refrigeration system with a No. 8 self driller (900,301,65x.x1).
14. On Ranson built venders with metal baffles, push the left hand baffle back in place and secure by replacing the screw removed in step 2, page 3.
15. On Ranson built venders with metal baffles, move drain pan back into position and secure.
16. On Ranson built venders with plastic or cardboard baffles, install the new left metal baffle (805,800,68x.x1). See figure 4, page 7. To install:
 - a. Hook right side baffle (area "A", figure 4, page 7) over the edge of the condenser fan shroud.
 - b. Secure the left side of the baffle (area "B", figure 4, page 7) with two No. 8 self drilling screws by tightening the screws and then back screws off two turns to allow the baffle to be removed without tools.
17. Reinstall all ground wires. Make sure ground wires are secured to the vender body. Note: Do not secure ground wires with screws that secure baffles.
18. On Ranson built units with harnessing running up the side of the cabinet compartment, clamp the cabinet harnessing across the top of the refrigeration unit compartment.
19. Secure the evaporator to the mounting by installing screws removed in step 8, page 3.
20. Install the top evaporator cover and secure with the clips removed in step 8, page 3.
21. Install the can/bottle chute and secure.
22. Install the right side mullion cover and secure.
23. Plug the unit in and test for proper operation.

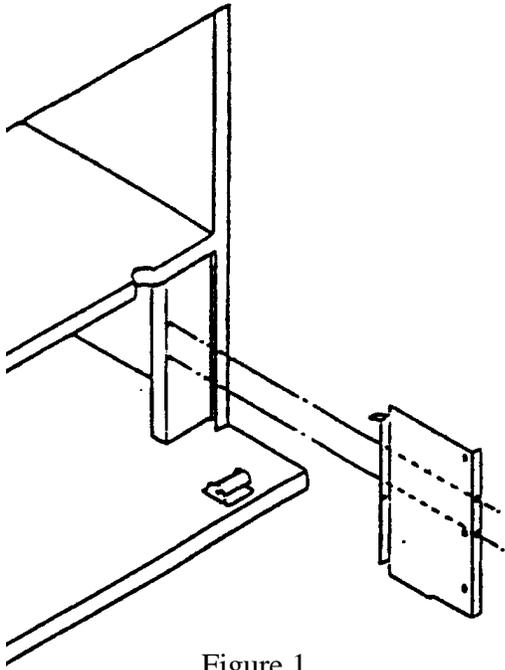


Figure 1

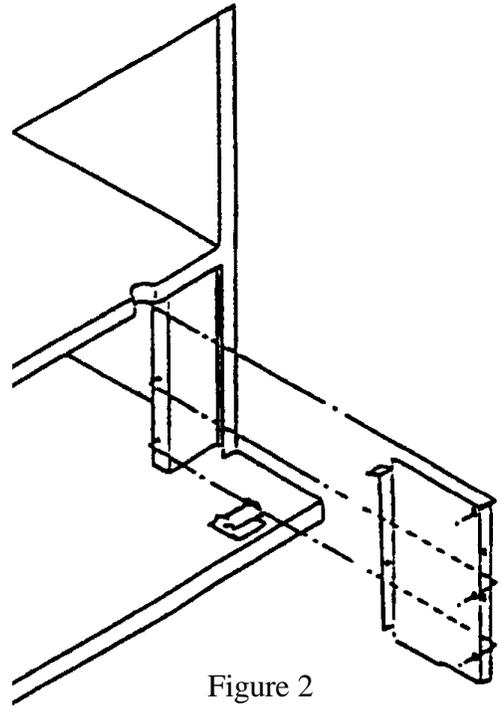


Figure 2

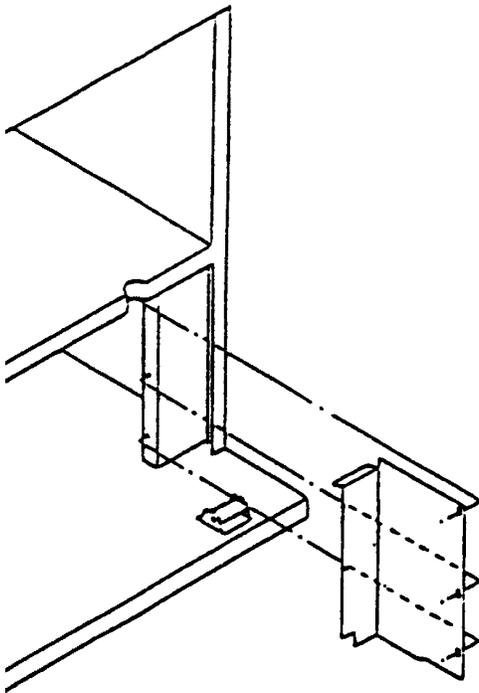


Figure 3

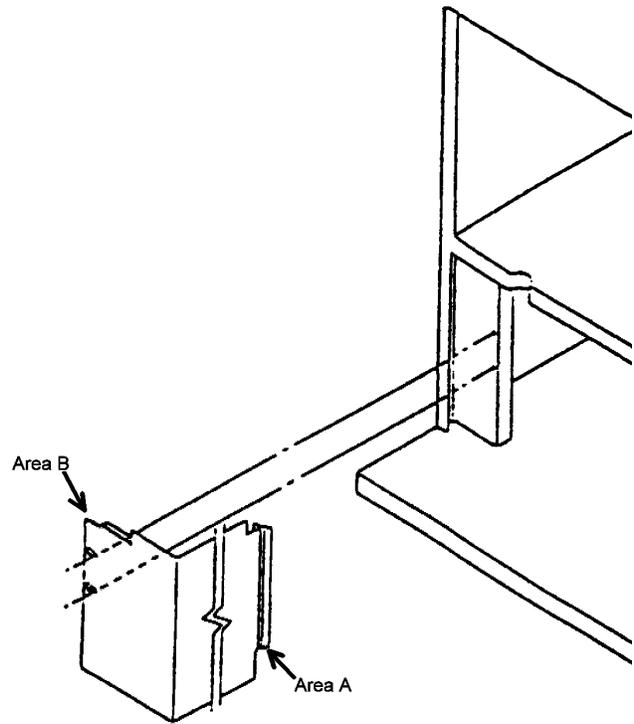


Figure 4

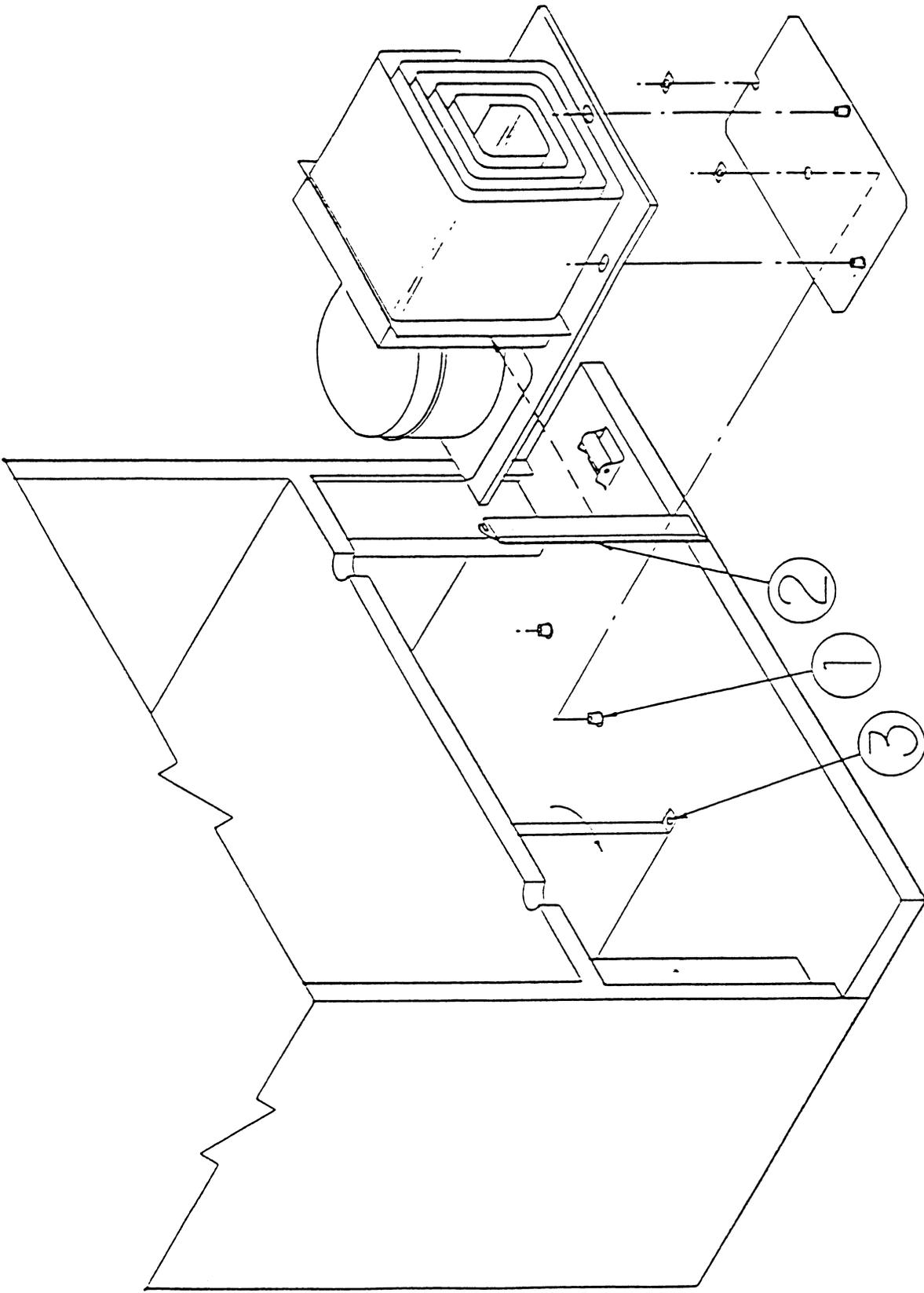


Figure 5

**DIXIE-NARCO WIDE VENDERS
PARTS USED IN LTC INSTALLATION**

				PARTS FOR INSTALLATION		
Ranson Wide 432T Vender w/ Plastic or Cardboard Baffle	Ranson Wide Vender w/ Plastic or Cardboard Baffle	Ranson Wide Vender w/ Metal Baffles	Williston Wide Vender w/ Metal Baffles	Item #	Part Number	Description
YES	YES	YES	YES	1	560,344,50x.x4	1/3 HP Refrigeration System
YES	YES	YES	NO	2	900,902,19x.x1	Stud Receiver Clip
NO	NO	YES	NO	3	901,806,91x.x1	LTC Fan Shroud Adapter Seal
YES	YES	YES	NO	4	805,800,64x.x1	LTC Ranson Base Adapter
NO	NO	NO	NO	5	805,800,65x.x1	Not Used LTC Left Retrofit Baffle
NO	NO	YES	NO	6	805,800,66x.x1	LTC Ranson Right Retrofit Baffle
YES	YES	NO	NO	7	805,800,67x.x1	LTC Right Retrofit Baffle
YES	YES	NO	NO	8	805,800,68x.x1	LTC Left Retrofit Baffle
NO	NO	NO	YES	9	491,040,05x.x3	Side Condenser Baffle (unmarked)
YES	YES	YES	YES	10	900,301,65x.x1	8-18x1/2 Self Drilling Screw
YES	YES	YES	NO	11	900,200,53x.x1	3/8-16x3/4 Cap Hex Screw
YES	YES	YES	NO	12	900,700,36x.x1	3/8 Split Washer