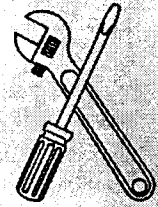


SERVICE BULLETIN



NO. **113A** DATE **2-3-99**



A. J. ANTUNES & CO.

1025 W. NATIONAL AVE. • ADDISON, ILLINOIS 60101 • TEL: 630-543-8650 • FAX: 630-543-0359

McDONALD'S VERTICAL CONTACT TOASTER (VCT-200) (P/N 7000202 Chain Guard & Wire Set Update Kit)

Project: WARR 1298

Project: WARR 0199

This bulletin supersedes SB113 dated 12-15-98. SB113 requested the (P/N 7000202) chain guard and wire set kit be installed on all McDonald's Rapid Toasters, model VCT-200, shipped between July 1, 1998 up to December 31, 1998 on an "as needed" basis. The serial numbers for these units are 0807_ _ _ _ up to 0812_ _ _ _ . (NOTE: Toaster serial numbers usually consist of 8 digits. We had a software glitch with our serial numbering machine and it would occasionally drop off the first digit. Therefore, the serial numbers of some of these retrofit units will consist of only 7 digits and start with an 8 instead of 0. They will read 807_ _ _ _ up to 812_ _ _ _ .)

We have now decided to make this a MANDATORY UPDATE. We are also adding a conveyor motor replacement to this retrofit program. The following documentation accompanies this bulletin.

- ◆ Explanation or purpose of the chain guard and wire set update kits, and the conveyor motor replacement program.
- ◆ Chain guard and wire set installation instructions (P/N 1010724). These instructions are also included with each kit.
- ◆ Conveyor motor changing instructions (P/N 1010725). These instructions are included with each motor kit (P/N 7000204).
- ◆ List of the McDonald's restaurants that have these toasters that we are requesting you to update.
- ◆ Chain guard and wire set reimbursement form. Please make additional copies and complete one form for each toaster. Most locations have two toasters.*
- ◆ Conveyor motor change reimbursement form. Please make additional copies and complete one form for each toaster. Most locations have two toasters.

- ◆ Your recommended scheduling procedure with the McDonald's restaurants.

We will immediately begin shipping to you at no charge, enough chain guard kits (P/N 7000202) and conveyor gear motor kits (P/N 7000204) to make these changes to the toasters that are on the enclosed list. The quantity of chain guard kits previously sent to you will be deleted from the total quantity you will require. If you will require more, please notify us immediately.

We are still waiting for the complete shipment of replacement gear motors (P/N 7000175) to arrive from our vendor. A quantity of these motors may be back ordered to you for a few days.

Reimbursement for this retrofit and conveyor check is for one trip per each store location. Please charge all travel and mileage expense to the toaster in each store with the lowest serial number. We will allow 1 hour per toaster for each store at your normal warranty billing rate. Any exceptions must be noted in the comment section of the form.



John D. Pravdica
National Service Manager

JDP/drg

NOTE 1: You may have done the chain guard and wire set earlier per Service Bulletin 113 and now you have to return to the restaurant to replace the conveyor motors. Add the second travel time and milage charges to the conveyor motor change verification and reimbursement form comment section and then to the total.

NOTE 2: If you replace the conveyor drive chain (P/N 2150187), add 6.50 (your net cost and handling) to the totals for the chain guard and wire set verification and reimbursement form.

PURPOSE OF THE KITS

1. (P/N 0503518) Chain Guard: We have found that after the toasters have been in operation for several months, the drive chain stretches. Occasionally the chain will jerk or bounce. This jerking or snapping in turn can permit the chain to rise and touch the lower 200-volt connection of the platen heating element. Installing the chain guard eliminates this situation.
2. (P/N 0700579) Wire Set: The buss bar (P/N 0503445) is connected to all four return element legs of the platen. These legs usually have different lengths. This has caused stress on the buss bar, which in turn permits the nuts to loosen and cause a loose connection. The wire set eliminates this situation.
3. (P/N 7000175) Conveyor Motor Replacement: We have experienced problems with some of the conveyor motors therefore we have made a corporate decision to replace all the conveyor motors made within the same time period that is being covered with the chain guard and wire set retrofit. Installation of the new motor mounting screws (P/N 308P151) will prevent the motor from creeping up under use. Please return the old motors to the factory with your reimbursement forms.

NOTE 1: Most of you have started to update the toasters on a as needed basis as mentioned in Service Bulletin 113. Please cancel any warranty billing you have sent in for this change and reinvoice these charges on the enclosed chain guard and wire set verification and reimbursement form (Project Warr 1298).

NOTE 2: Your technicians may notice some of the links of the conveyor drive chain (P/N 2150187) welded together. This is caused by the chain touching the platen electrode or connections and arching. Please replace any chain found in this condition and add the cost to the conveyor motor verification form (Project Warr 0199)..

Please be sure you have an adequate inventory of this chain so you can complete each call with one trip.

RECOMMENDED SCHEDULING PROCEDURE

1. Authorized Service Agency calls the restaurant to confirm the toaster with the serial numbers on the supplied list are at the restaurant.
2. If it is confirmed that the toasters are at the restaurant, the ASA sets up an appointment and schedules this with all other update sites in their assigned area. This will keep mileage and travel expenses to a minimum.
3. If the VCT-200 Rapid Toasters are not at the designated location, the ASA will attempt to find the correct location. If it is in their servicing area they will perform the update. If the toaster is not in their service area or if they cannot locate it, they will inform A. J. Antunes & Co. Technical Support Department immediately (1-800-253-2991, extensions 291, 293, 271 or 223).
4. We are asking for your usual fine cooperation to finish this entire update by April 1, 1999.

A.J. ANTUNES & CO. 1025 W. National Avenue Addison, Illinois 60101-3199

CHAIN GUARD (0503518) AND WIRE SET (0700579) INSTALLATION INSTRUCTIONS

INSTALLATION OF CHAIN GUARD (P/N 0503518)

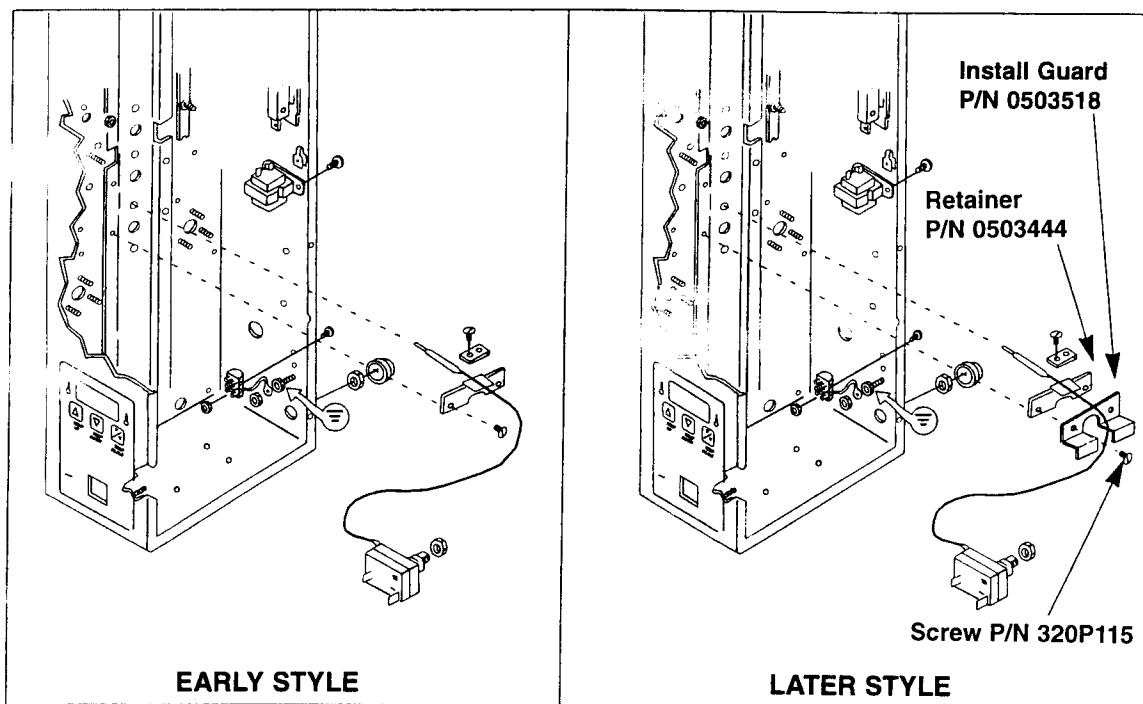


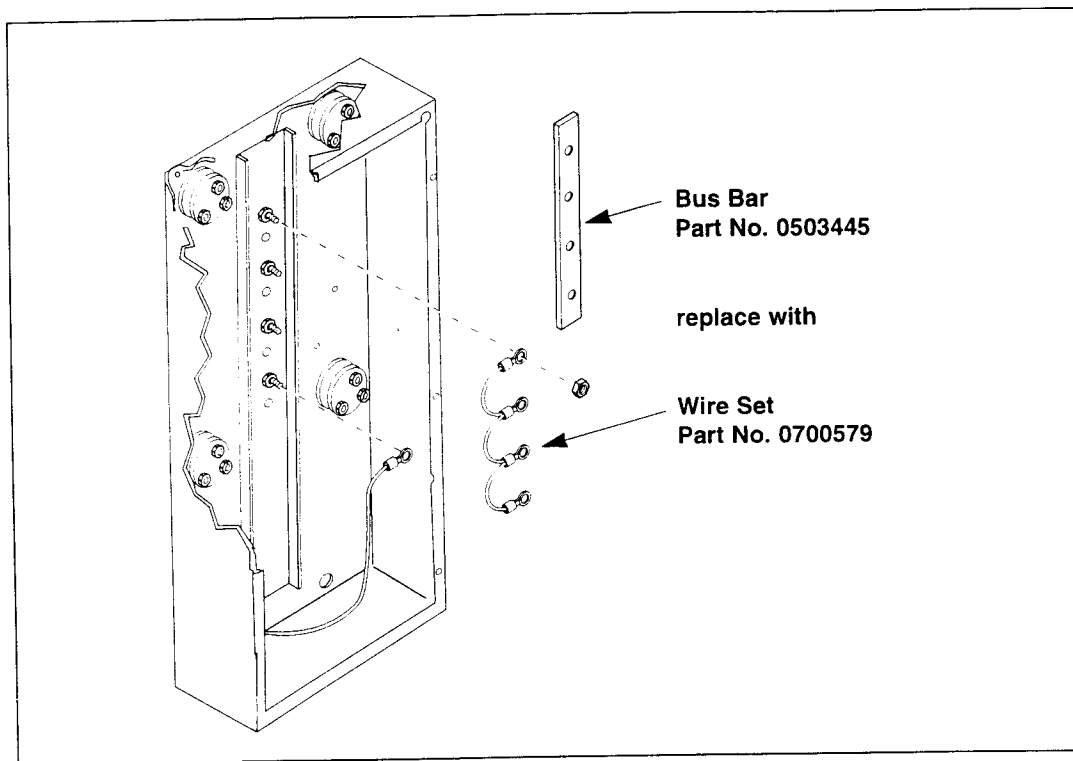
Figure 1

Tools required: Flat bladed screwdriver, Starter screwdriver

1. Turn power switch off and disconnect all electrical power from toaster.
2. Remove right side control cover (P/N 0503414).
3. Remove both screws (P/N 320P115) that fasten the high limit capillary retainer (PN 0503444) to the frame of the toaster. (Do not remove the top plate of the retainer)
4. Slightly lift the high limit capillary.
5. Starting from the right side of the control cabinet, thread the new chain guard (P/N 0503518) in between the capillary tube and the white wires going to the lower platen terminals.
6. Align the holes of the chain guard (0503518) with the corresponding holes of the retainer.

(OVER)

WIRE SET (P/N 0700579) INSTALLATION INSTRUCTIONS



**FIGURE 2
BUSS BAR REPLACEMENT**

Tools Required: Flat bladed screwdriver, 3/8" nut driver or wrench

- 1) Turn toaster off and disconnect all electrical power to the toaster.
- 2) Remove both knobs (P/N 2100253) from the tensioners located on the left side of the toaster.
- 3) Remove the left side cover (P/N 0503416).
- 4) Remove the Buss Bar (P/N 0503445) and discard (See Fig. 2).
- 5) Install the wire set (P/N 0700579) as shown in Figure 2.
- 6) Turn power on and test.
- 7) Replace side cover and tensioner knobs.

Roundup

FOOD EQUIPMENT DIVISION

A. J. ANTUNES & CO. 1025 W. National Avenue Addison, Illinois 60101-3199

INSTALLATION INSTRUCTIONS VCT-100/200 GEAR MOTOR KIT P/N 7000204

Removing and Replacing Conveyor Motor and Fan Blade Assy. (P/N 7000175)

⚠ WARNING ⚠

Turn the unit off, disconnect the power source and allow the unit to cool down before performing any service or maintenance on the unit.

1. Disconnect the motor wires and remove the drive motor and drive motor bracket (Figure 1). Discard the four 10-32 x 3/8" mounting bracket screws.
 2. Remove the motor sprocket using a hex wrench.
 3. Remove the drive motor bracket from the gear motor. Save the four 10-32 x 3/8" pan head screws (P/N 310P154).
 4. Place one drop of Loctite (Blue) into each threaded hole in the gear reducer casting. Attach the drive motor bracket to the gear reducer using the original four 10-32 x 3/8" screws removed in step 3.
 5. Attach the motor sprocket to the gear reducer as shown in Figure 2.
- NOTE: Be sure sprocket setscrew is positioned on the flat of the gear reducer shaft. Maintain the 3/16" dimension as shown in Figure 2. Apply Loctite (Blue) to threads of setscrew and tighten securely.*
6. Using the four new 8-32 x 5/16" stainless steel SEMS truss head screws (P/N 308P151), attach the drive motor bracket to the mounting bracket. DO NOT tighten screws at this time.
 7. Place the drive chain on the sprocket and push down on motor. Allow 1/4" (0.6 mm) play at middle of drive chain, then tighten mounting screws while holding motor. Check drive chain play after tightening screws.
 8. Re-connect motor wires, one at a time.
 9. Place old gear motor back into shipping carton and return it to A.J. Antunes along with your "Verification and Reimbursement Form".

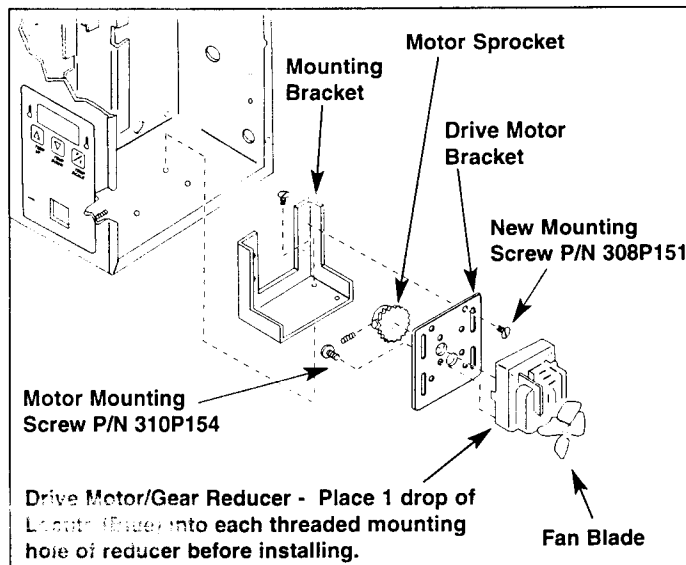


Figure 1. Replacing Drive Motor and Fan Blade

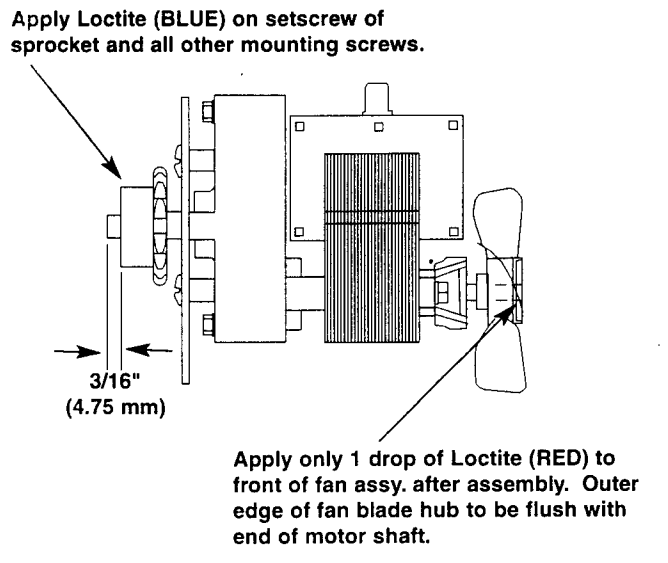


Figure 2. Conveyor Motor Sprocket and Fan Assembly Instructions

NOTE: Please return old gear motors in large bulk shipments to the factory.

Roundup

FOOD EQUIPMENT DIVISION

A. J. ANTUNES & CO. 1025 W. National Avenue Addison, Illinois 60101-3199

INSTALLATION INSTRUCTIONS ADDENDUM VCT-200 GEAR MOTOR KIT P/N 7000204

⚠ WARNING ⚠

Turn the unit off, disconnect the power source and allow the unit to cool down before performing any service or maintenance on the unit.

The basic gear motor part number is 4000164. This part number, along with the *Lot #* and *Date of Manufacture*, can be found on the white tag attached to the motor laminations on the side of each motor (Figure 1).

NOTE: ONLY MOTORS MANUFACTURED PRIOR TO WEEK 3 OF 1999 REQUIRE CHANGING. MOTORS MANUFACTURED FROM WEEK 3 OF 1999 AND LATER FEATURE THE IMPROVED DESIGN AND SHOULD NOT BE CHANGED. SEE FIGURES 1 & 2 FOR MOTOR IDENTIFICATION.

It is very likely that you will encounter VCT-200's in the field built with the new motors. DO NOT CHANGE THEM! Please state on the Conveyor Verification Form [Project Warr 0199](#) that the motor was changed previously.

The new, improved gear motors have been shipped to you for your inventory since the end of January, 1999. These improved motors will be from Lot #2 or Lot #3. In a few weeks, we will change the tag color on these from white-with-black lettering to blue-with-white lettering for easier identification.

Please inform our Customer Service Dept. how many motors you are keeping for stock and you will be invoiced accordingly.

If you do not wish to inventory these surplus motors, please notify A.J. Antunes & Co. and you will be issued a Return Goods Authorization Number. A No Charge credit will be issued to you when the motors are returned to the factory. Returned new surplus gear motors must be suitable for resale.

NOTE: Please return these gear motors in large bulk shipments to the factory.

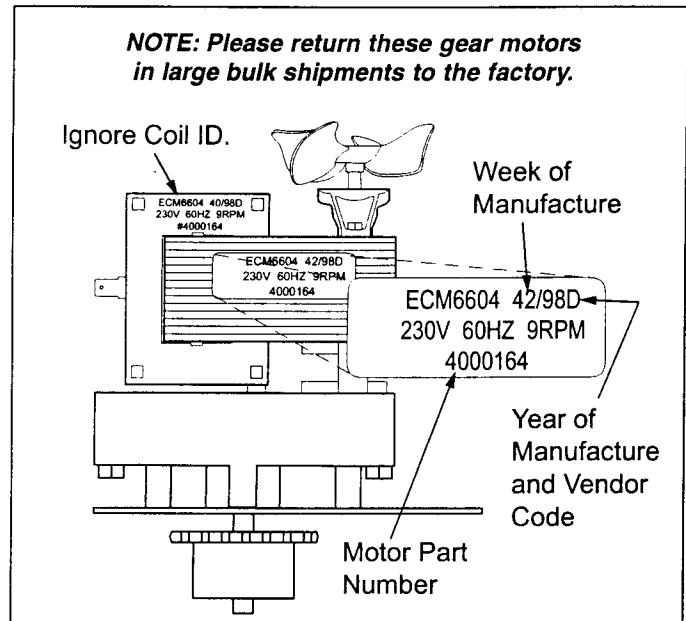
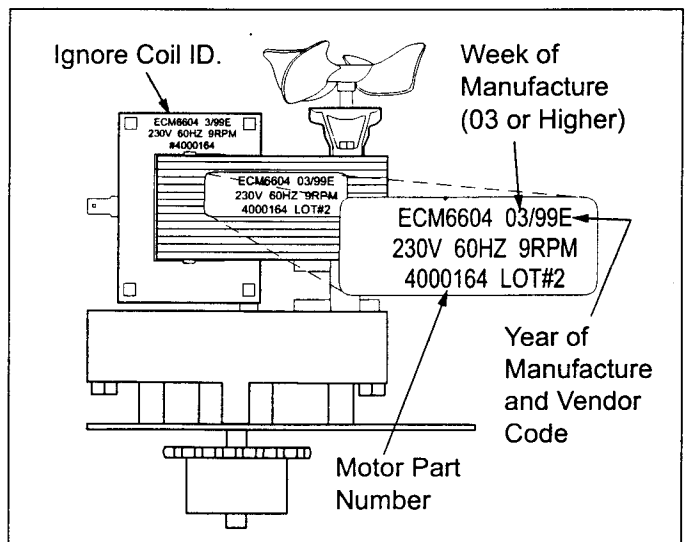


Figure 1. Identifying Motor that MUST Be Changed



**Figure 2. Identifying New Improved Motor
DO NOT CHANGE**



A.J. ANTUNES & CO.

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McDONALD'S VERTICAL CONTACT TOASTER, MODEL VCT-200
Chain Guard & Wire Set, P/N 7000202
Project: Warr 1298

Verification & Reimbursement Form

Toaster Serial No. _____ Manufacturing No. _____

Date Update Completed _____

McDonald's Store Information

National Store No. _____ Store Manager _____

Address _____ City _____ State _____

Phone _____ Zip Code _____

Service Agency Information

Authorized Service Agency _____ Invoice No. _____

Address _____ City _____ State _____

Zip Code _____ Phone _____ Fax _____

Technician Name _____

COMMENTS _____

REIMBURSEMENT INFORMATION

Labor Hours _____ Rate/Hr _____ Amount _____

*Travel Mileage _____ *Rate/Mile _____ * Amount _____

*Travel Time _____ *Rate/Hr _____ * Amount _____

Total _____

*** Most restaurants will have 2 VCT-200 Toasters. Reimbursement for this retrofit is only for 1 trip, so please charge all travel and mileage expenses to the toaster with the lowest serial number.**



A.J. ANTUNES & CO.

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**McDONALD'S VERTICAL CONTACT TOASTER, MODEL VCT-200
Conveyor Motor Replacement Kit, P/N 7000204**

Project: Warr 0199

Verification & Reimbursement Form

Toaster Serial No. _____ Manufacturing No. _____

Date Update Completed _____

McDonald's Store Information

National Store No. _____ Store Manager _____

Address _____ City _____ State _____

Phone _____ Zip Code _____

Service Agency Information

Authorized Service Agency _____ Invoice No. _____

Address _____ City _____ State _____

Zip Code _____ Phone _____ Fax _____

Technician Name _____

COMMENTS _____

REIMBURSEMENT INFORMATION

Labor Hours _____ Rate/Hr _____ Amount _____

Conveyor Motor P/N 7000204, **No Charge** **15% handling** **\$7.30**

Conveyor Drive Chain (P/N 2150187)
(Check if necessary) _____ \$6.50 (includes handling) _____

Grand Total _____

All travel time and mileage charges for this check is to be billed against the Chain Guard & Wire Set, P/N 7000202, Verification and Reimbursement Form, Project: Warr 1298!