

INSTRUCTION I

INSTRUCTIONS FOR INSTALLING THE PARTS OF THE DUAL CAPACITY TRAY VEND MOTOR GEAR CASE REPLACEMENT GEAR KIT, PART NUMBER 127-7011, IN A CROWN SEVENTY TWO[®] SERIES OR GOLDEN FURNITURE LINE, 21CE-72 ELECTRIC CANDY MERCHANDISER

NOTE

1. When installing the parts of the Replacement Gear Kit, part number 127-7011, inspect the Drive Gear on the end of the Rotor Shaft for wear, broken teeth, etc. If there is any evidence of damage to that Gear, order Vend Motor Replacement Rotor Assembly Kit, part number 127-7012, and install both Kits in the Vend Motor.
2. The Installation Instructions on page 3 are for the Replacement Rotor Assembly Kit.
3. The parts in Replacement Gear Kit, part number 127-7011, and Vend Motor Replacement Rotor Assembly Kit, part number 127-7012, cannot be used in a Single Capacity Tray Vend Motor.

Before proceeding with the installation of the parts of the Gear Case Replacement Gear Kit, carefully and thoroughly read all the information given in these Instructions. Then and only then do the work.

Vend Motor Gear Case Replacement Gear Kit, part number 127-7011 consists of the following parts:

Part Number	Description	Quantity
127-7007	Driven (Gear)	1
127-7008	Idler Gear (Metal)	1
127-7006	Output Gear and Shaft Assembly	1
121-7163	Roll Pin	1
127-7013	Installation Instructions	1

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TO INSTALL THE PARTS OF THE VEND MOTOR REPLACEMENT GEAR KIT:

A. Remove The Defective Vend Motor From The Merchandiser.

1. Disconnect the Merchandiser Service Cord from the wall receptacle.
2. Open the Cabinet Door.
3. Swing out the Tray with the defective Vend Motor.
4. Remove the Screw which attaches the Harness Clamp.

5. Remove the Spiral Assembly. See Figure I-1.
6. Loosen the two Screws which attach the Vend Motor.
7. Lift the Vend Motor off the Tray.
8. Remove all Flag Terminals from the Vend Motor Terminal Board and Vend Motor Switch. Insert a thin-bladed screwdriver behind the terminal and push or pull with a rocking motion to slide the Terminal off the Contact. Spreading the Terminal makes reuse impossible. See Figure I-1.

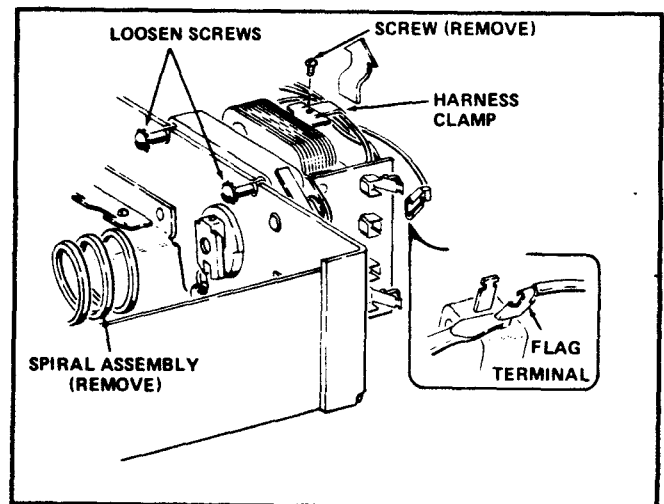


FIGURE I-1

B. Install The Replacement Gears.

1. Use a 1/16" drive punch to remove the Roll Pin which attaches the Motor Switch Cam to the Motor Output Shaft. See Figure I-2.
2. Remove the Motor Switch Cam.
3. Remove the two Screws which attach the Terminal Board And Bracket Assembly and the Motor Switch And Bracket Assembly.
4. Remove the two Screws which attach the Spacers to the Motor Assembly and the other two Screws on the opposite edge of the Motor Assembly Gear Box Cover. See Figure I-3.
5. Remove the Motor Gear Box Cover Plate.
 - a. Use a #2 Countersink to remove the peened over metal in the thread holes. See Figure I-4.

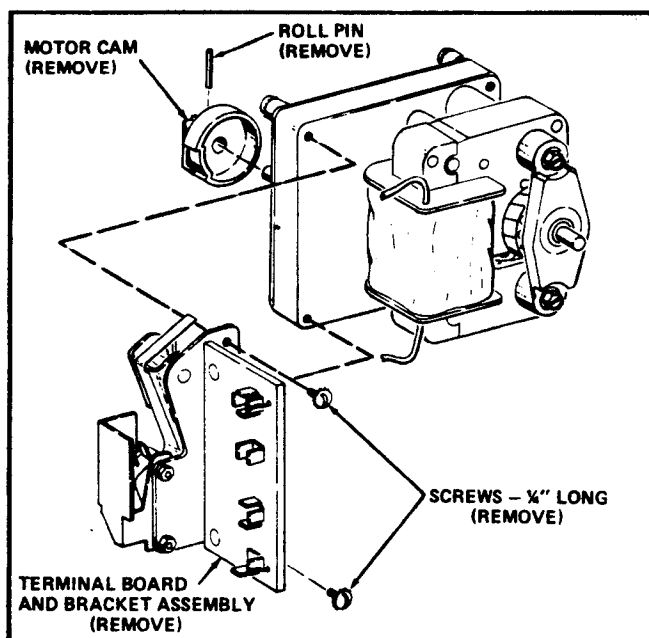


FIGURE 1-2

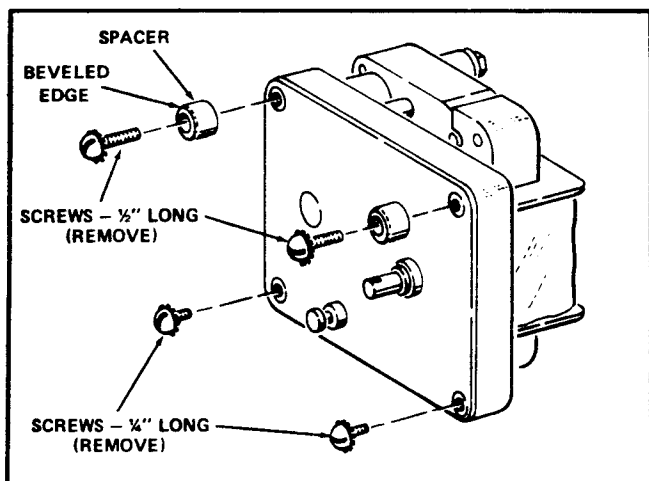


FIGURE 1-3

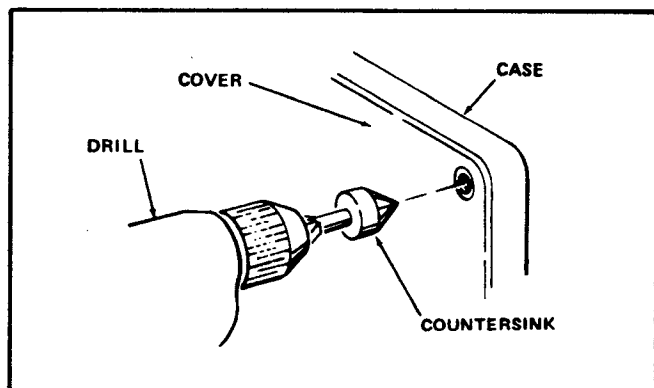


FIGURE 1-4

NOTE

The removal of the metal may be done with a hand drill, electric drill, or drill press.

CAUTION

1. Use a Countersink - DO NOT use a drill bit to remove the peen metal.
2. Hold Motor securely in a clamp or vice when removing the metal.
3. Remove only enough metal to permit Cover to be pried off of Gear Case. DO NOT remove the Case Hoses from the Gear Case.

- b. Pry the Cover off the Gear Case.
6. Remove the defective Gear from the Gear box.

NOTE

1. The Output Gear And Shaft Assembly removed in step 6 may have a Bearing Shim on one of its Shaft ends.
 - a. If the original Shaft Assembly has a Shim on one Shaft end, be sure the replacement Output Gear And Shaft Assembly has a Bearing Shim on the same Shaft end.
 - b. If the original Shaft Assembly does not use a Shim remove the Bearing Shim from the replacement Output Gear And Shaft Assembly.
2. When removing the Driven and the Idler Gears, inspect the Gear Case Cover, the Gears, and the Gear Case for Bearing Shims. These Shims may stick to the Cover or Case rather than to the Gears. When installing the replacement Driven Gear and Idler Gear install all Bearing Shims in the same way they were in the original assembly.
7. Inspect the Pinion Gear on the Rotor Assembly Shaft for wear, damage, etc. - Install Vend Motor Replacement Rotor Kit, part number 127-7012, if necessary.

8. Install the replacement Gears included in the Kit. See Figure I-5.
9. Replace the Gear Case Cover. Be sure it is properly in place.
10. Reverse steps I-B-1 and I-B-4. Use the new Roll Pin, part number 121-7163, when attaching the Switch Cam. The beveled edge of the Spacers removed in step B-4 is to be toward the Screw head.

C. Installation Of Vend Motor.

Reverse steps I-A-1 through I-A-8.

NOTE
See Section IV "Adjustment And Removal And Replacement" of the Crown Seventy Two, 21CE-72 Electric Candy Merchandiser Manual (looseleaf-book) for proper rewiring instructions for the specific Vend Motor Assembly that was repaired.

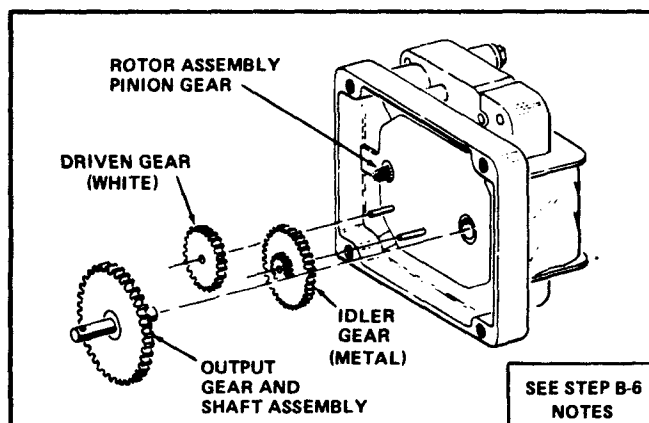


FIGURE I-5

INSTRUCTION II INSTRUCTIONS FOR INSTALLING THE DUAL CAPACITY TRAY VEND MOTOR REPLACEMENT ROTOR ASSEMBLY KIT, PART NUMBER 127-7012, IN A CROWN SEVENTY TWO, SERIES OR GOLDEN FURNITURE LINE, 21CE-72 ELECTRIC CANDY MERCHANDISER

NOTE

The Installation Instructions on page 1 are for the Tray Vend Motor Gear Case Replacement Gear Kit, part number 127-7011.

Vend Motor Rotor Assembly Replacement Kit, part number 127-7012, consists of the following parts:

Part Number	Description	Quantity
127-7009	Dual Capacity Vend Motor Rotor Assembly	1
121-7187	Bearing (blue)	1
127-7010	Bushing (yellow)	1
121-7189	Spring	1
127-7013	Installation Instructions	1

* * *

Before proceeding with the Kit installation, carefully and thoroughly read all the information given in this Installation Instruction. Then and only then, make the replacement.

1. Remove the defective Tray Vend Motor per steps I-A-1 through I-A-8 on page 1 of this sheet.
2. Remove the two Slotted Hex. Head Screws which attach the Rotor Bearing Casting to the Motor. See Figure II-1.
3. Remove the Bearing Casting.
4. Remove the Rotor Assembly.

NOTE

1. The Rotor Assembly removed in step 4 may have on its Shaft, in addition to a Spring, one blue Bearing and one yellow Bushing. The Replacement Rotor Assembly Kit includes both a Bearing and a Bushing. Inspect the original Rotor Assembly and set the replacement Rotor Assembly up in the same manner as the original Rotor Assembly.
2. Some Rotor Assemblies may have in addition to the items listed in Note 1 a metal Bearing Shim on the Shaft. If the original Rotor Assembly has a Bearing Shim, install the Shim in the same position on the replacement Rotor Assembly.

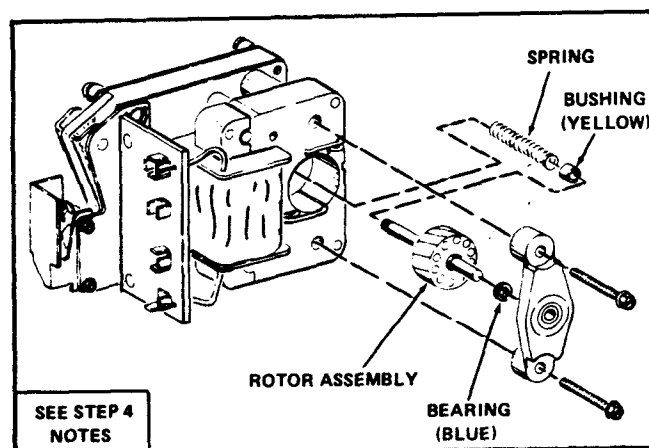


FIGURE II-1

5. Place the replacement Bearing (blue), part number 121-7187, on the replacement Rotor Assembly, part number 127-7009. The Bearing fits on the Shaft, which does not have the Gear on it. See Note above and Figure II-1.
6. Place the replacement Bushing (yellow), part number 127-7010, and the replacement Spring, part number 121-7189, on the replacement Rotor Assembly Shaft that has the Gear on it. See Note in step II-4.
7. Install the Replacement Rotor Assembly, part number 127-7009.
8. Reverse steps II-1 through II-3.

NOTE

1. See Section IV "Adjustment And Removal And Replacement" of the Crown Seventy Two, 21CE-72 Electric Candy Merchandiser Manual (looseleaf-book) for proper rewiring instructions for the specific Vend Motor Assembly that was repaired.
2. If Rotor is not free in Bearing Casting tap the Rotor Bearing Casting with a rubber or plastic mallet to align the Rotor Assembly in the Casting.