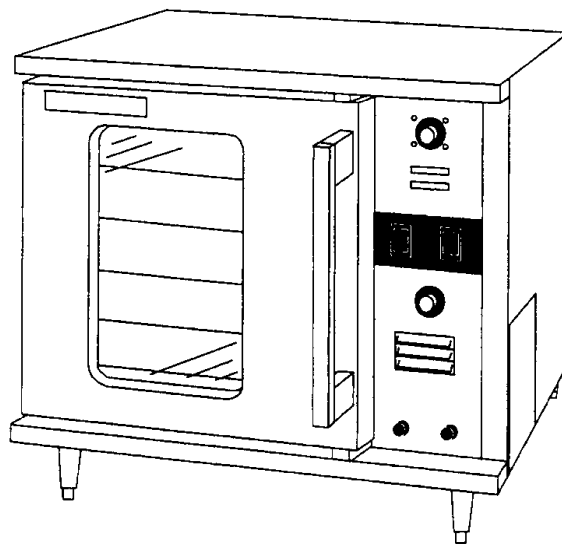


TOASTMASTER CO19 CONVECTION OVEN DOOR HINGE AND DOOR CAM UPGRADE INSTRUCTIONS FOR KIT PART NUMBER 38624.



Model CO19

KIT, P/N 38624, CONTENTS:

| <u>Qty</u> | <u>Part Number</u> | <u>Description</u> |
|------------|--------------------|------------------------------|
| 2 ea. | p/n 21271-0076 | 10-32 x 5/8" flat head screw |
| 2 ea. | p/n 2001371 | 10-32 nut with lock washer |
| 1ea. | p/n 38131 | Door cam switch actuator |
| 1ea. | p/n 38625 | Instructions |

TOOLS REQUIRED:

- #2 Phillips Screwdriver
- Flat-blade Screwdriver
- 3/16" Allen Wrench
- Variable-speed Drill
- #11 (5mm) Drill Bit
- 7/16" Nut Driver
- 11/32" Nut Driver
- 1-1/16" Open-end Wrench or Adjustable Wrench
- 3/8" (10mm) Countersink Drill Bit
- 3/8" Open-end Wrench

P/N 38625
P-8/98 Rev. B

WARNING: To avoid electrical shock hazard, disconnect the oven from its power source before proceeding with these instructions.

Step 1 Remove the upper trim cover by removing the left and right screws using a #2 Phillips screwdriver, as shown in Pictures 1-1 and 1-2.



1-1



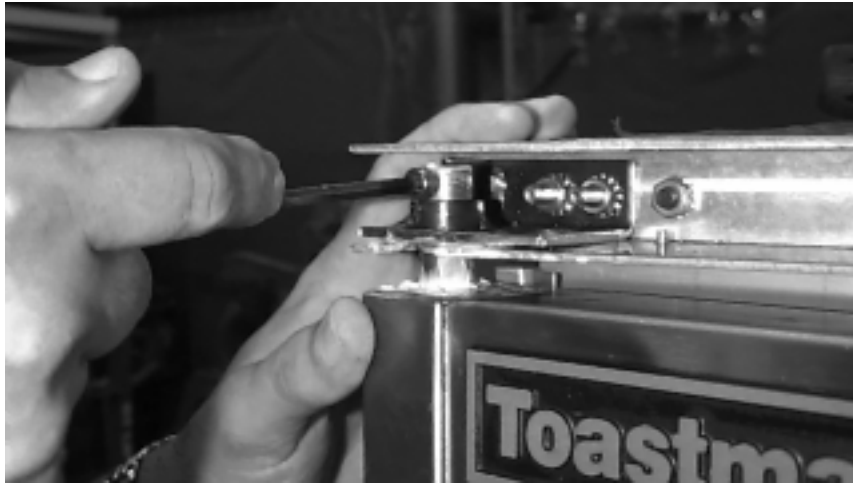
1-2

Step 2 Repeat the procedure of as Step 1 to remove the lower trim cover as shown in Picture 2-1.



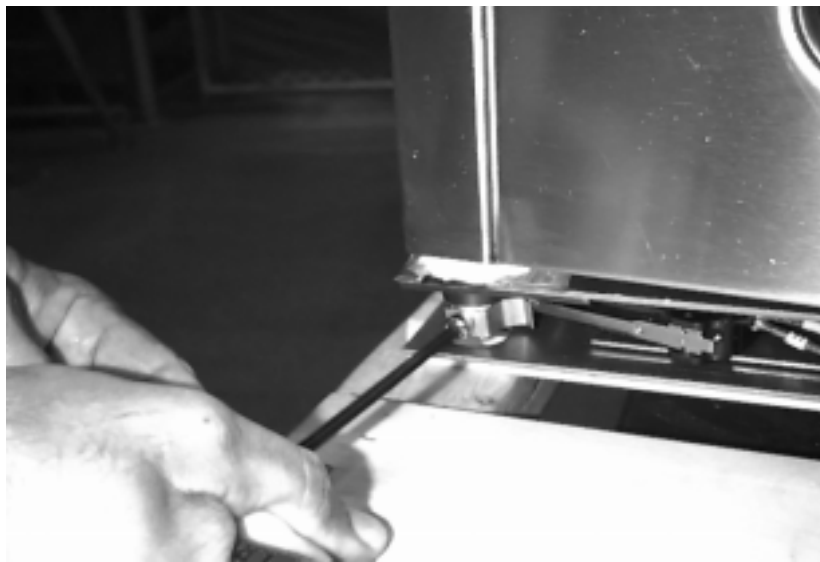
2-1

Step 3 Remove the Allen key screw from the upper door hinge stop using a 3/16" Allen wrench as shown in Picture 3-1.



3-1

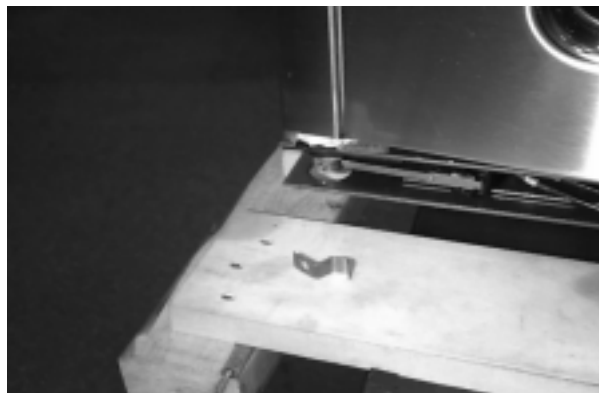
Step 4 Remove the Allen key screw from the lower door hinge stop using a 3/16" Allen wrench as shown in Picture 4-1.



4-1

Step 5 Remove the door microswitch cam and discard. See Picture 5-1. The cam will be replaced by the new cam - included with the kit - upon assembly.

5-1



Step 6

Loosen the two upper hinge bracket nuts using a 7/16" nut driver. See Pictures 6-1 and 6-2. Leave the nuts finger tight. Do not remove them.



Bracket Nuts

6-1



6-2

Step 7

Place a large, flat-blade screwdriver at the bottom of the right side of the oven door as shown in Picture 7-1. Lift the door up until it becomes level with top "U" channel. Tighten one of the 7/16" upper hinge bracket nuts at the same time, then tighten the remaining nut. See Picture 7-2.

Top "U" Channel



7-1



7-2

Step 8

Verify that the door is level by measuring the space between the top of the door and the top “U” Channel. This space should be the same at the right end side of the door and the left end side of the door. See Pictures 8-1 and 8-2.



8-1



8-2

Step 9

Open the door. Then, slowly close the door to see that the door latches properly with the latch assembly, as shown in Pictures 9-1 and 9-2. Skip to Step 14, if the door latches properly. Continue with Steps 10 - 13, if the door does not latch tightly or if the door strike plate interferes with the ball plunger preventing the door from closing.



9-1

Door latch assembly



9-2

Step 10 Loosen the 1-1/16" door latch locking nut located under the top "U" Channel at the right side of the doorway. See Picture 10-1.



10-1

Step 11 Insert a flat blade screw driver down through the door plunger access hole located at the top of the "U" Channel as shown in Picture 11-1. Turn the plunger assembly clockwise to increase the plunger contact (door does not stay closed) with the door strike plate; or, turn the plunger assembly counter clockwise to decrease the plunger contact (door restricted from closing) with door strike plate.



11-1

Step 12 Tighten the door latch locking nut, as shown in Picture 12-1.



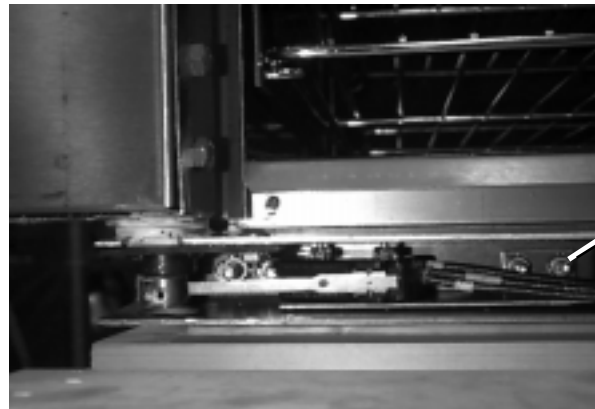
12-1

Step 13 After making the latch adjustment, check to see if the door opens and closes properly. Repeat steps 10 - 12 as necessary.



13-1

Step 14 Remove the microswitch assembly from the bottom “U” Channel by removing the two nuts with an 11/32” nut driver. See Pictures 14-1 and 14-2.



14-1



14-2

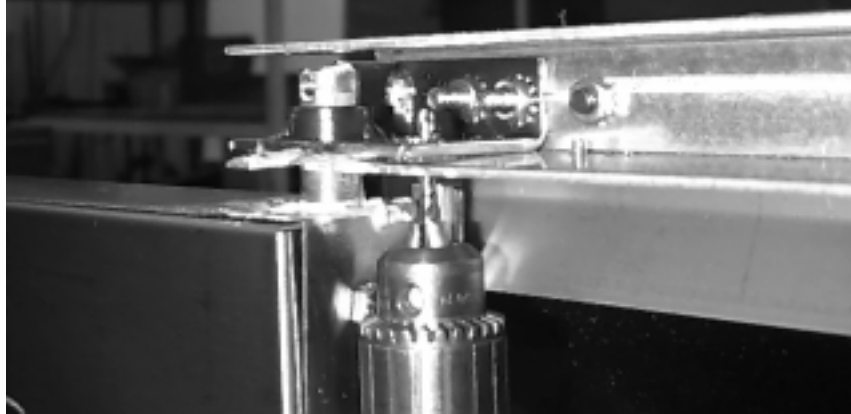
Step 15 Move the microswitch outside of the oven away from the channel, as shown in Picture 15-1. Note: It is **not** necessary to disconnect the microswitch from the wire harness.



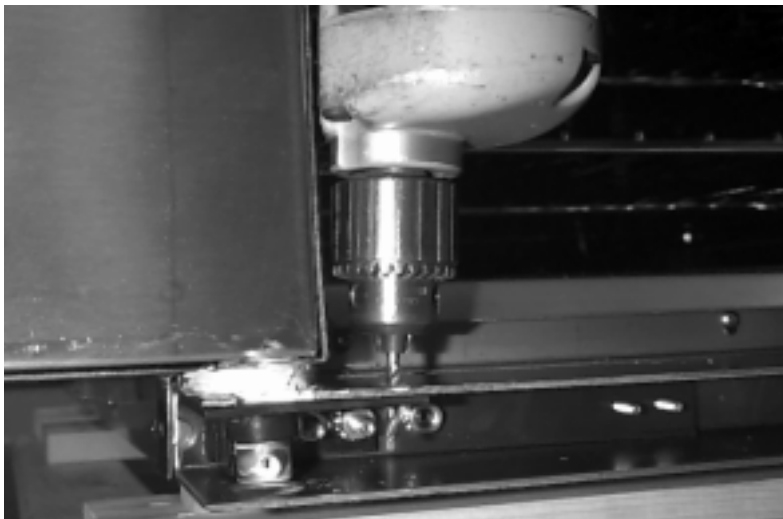
15-1

Step 16

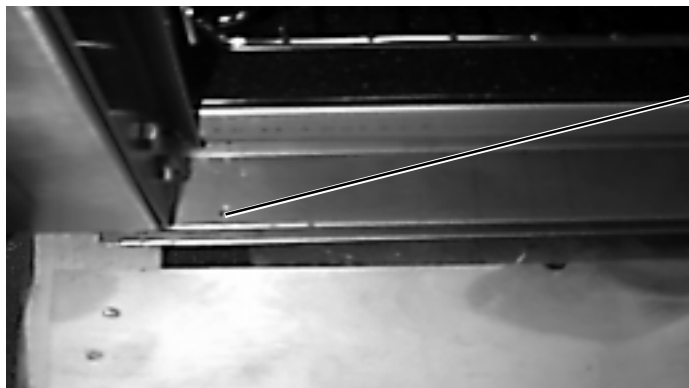
Mark a drilling location approximately 1/4" (6mm) to the right of the corner of the hinge bracket. Use a #11 (5mm) drill bit to drill a hole in the top and bottom door hinge bracket. Accomplish this by drilling up through the top "U" channel above the door as shown in picture 16-1 and down through the bottom "U" channel, as shown in Picture 16-2 and 16-3.



16-1



16-2



Drilled hole location through the bottom door hinge.

16-3

Step 17 With a 3/8" (10 mm) countersink drill bit, countersink the two previously drilled holes in the upper and lower door hinge brackets. See Picture 17-1.

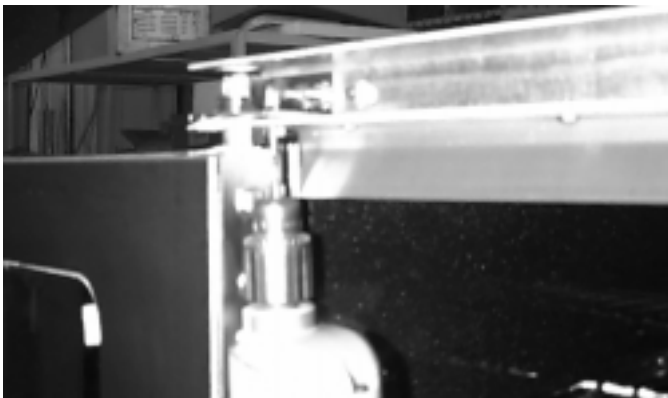
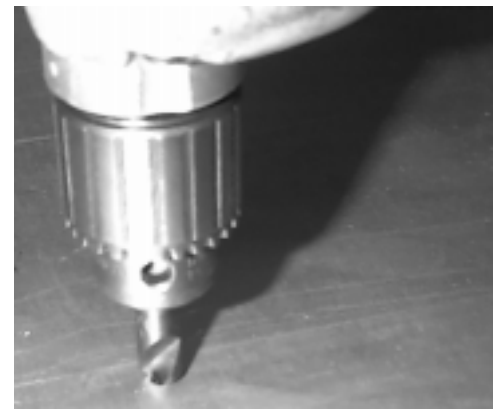


17-1

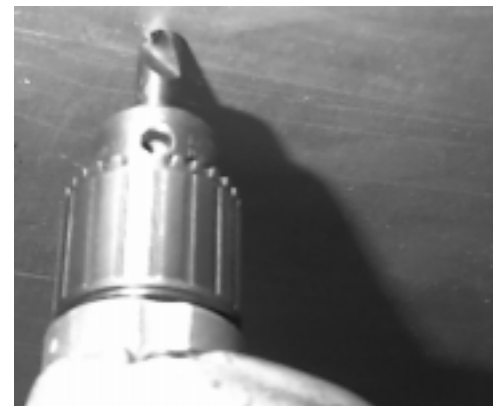
Step 18 Brace the drill firmly against the door end to keep the drill perfectly vertical while countersinking the holes in the bottom and top door brackets as shown in Pictures 18-1 and 18-2. Operating the drill on low speed is recommended for this process.



18-1



18-2

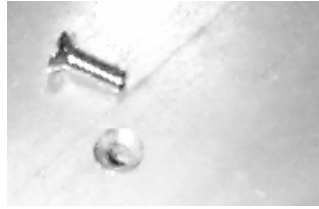


Step 19

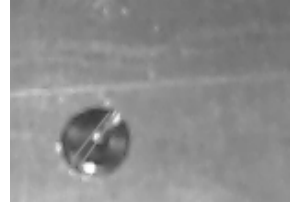
After countersinking the holes, as shown in Picture 19-1, test the depth of the holes using one of the 10-32 x 5/8" flat-head screws, as shown in picture 19-2. Make sure the screw is flush with the surface as shown in picture 19-3. If the screw head is not flush, it will be necessary to countersink the hole some more.



19-1



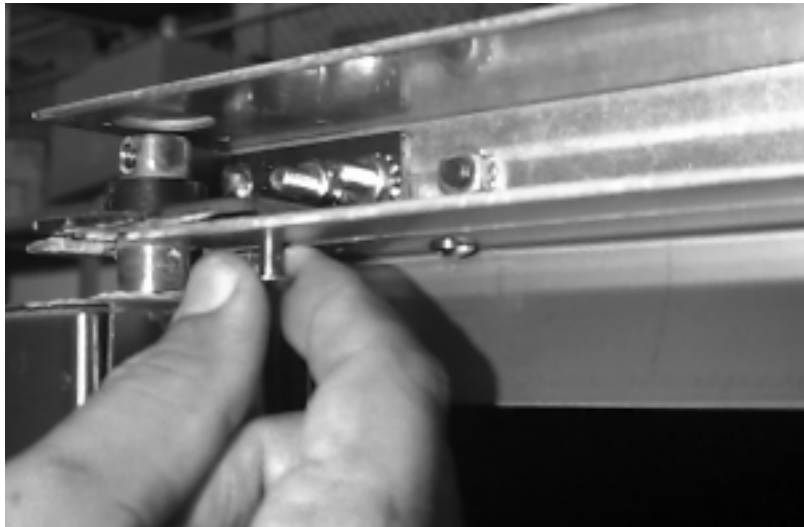
19-2



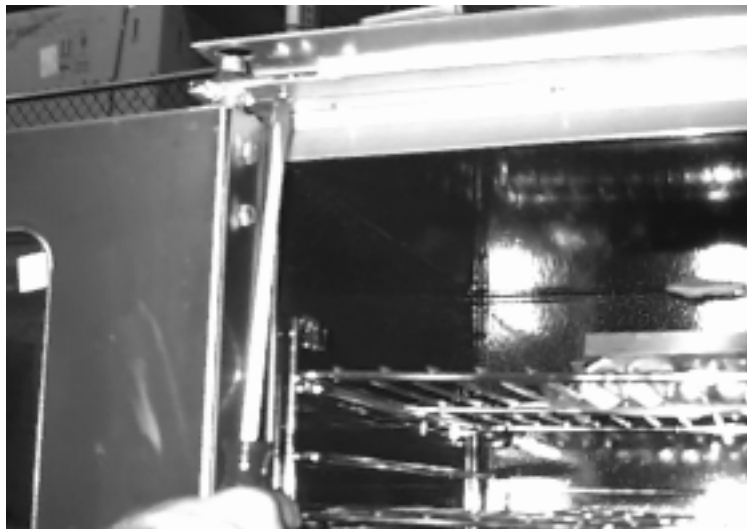
19-3

Step 20

Insert one 10-32 x 5/8" flat-head screw into the hole in the top door bracket. Hold the screw in place using a flat-blade screw driver. See Pictures 20-1 and 20-2.



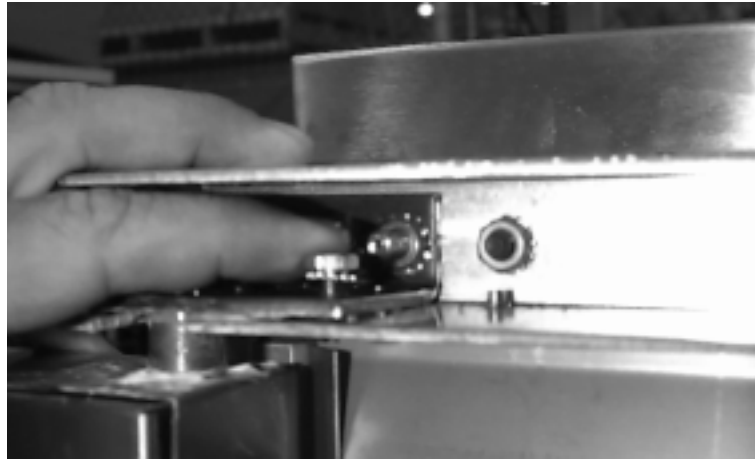
20-1



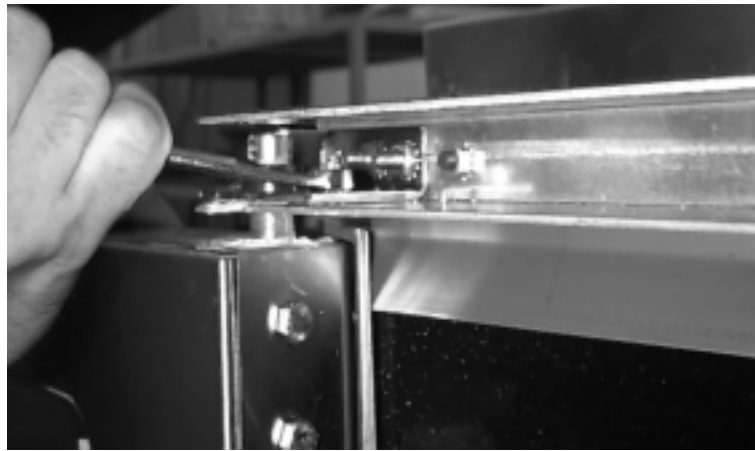
20-2

Step 21

Thread the 10-32 lock nut onto the screw, as shown in Picture 21-1. Tighten the nut, using a 3/8" wrench while holding the screw in place with the flat-blade screw driver, as shown in Picture 21-2.



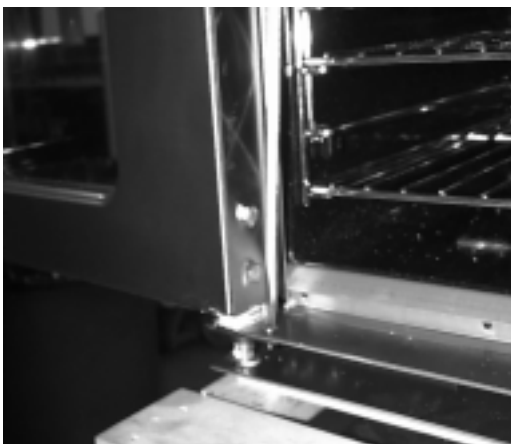
21-1



21-2

Step 22

Repeat Steps 20 and 21 for the bottom door bracket. See Pictures 22-1 and 22-2.



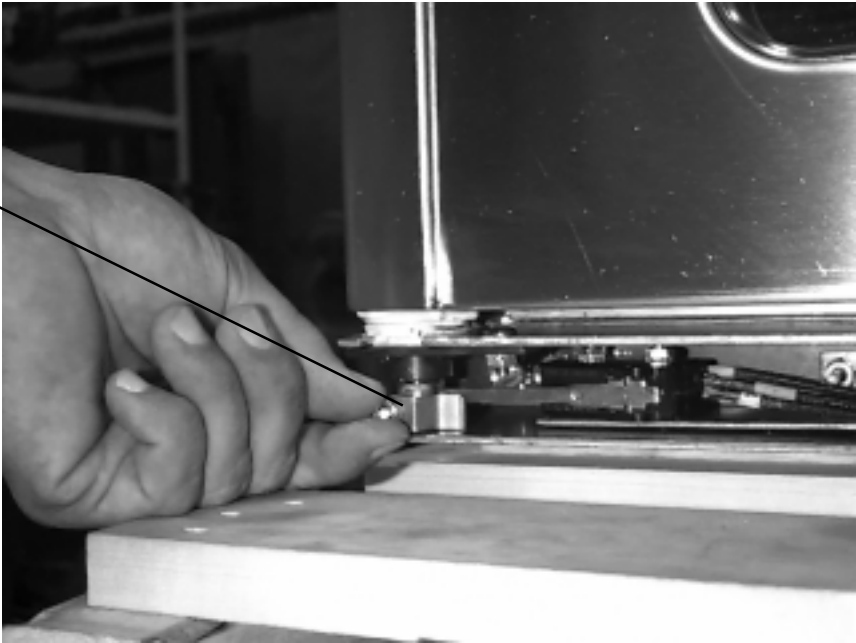
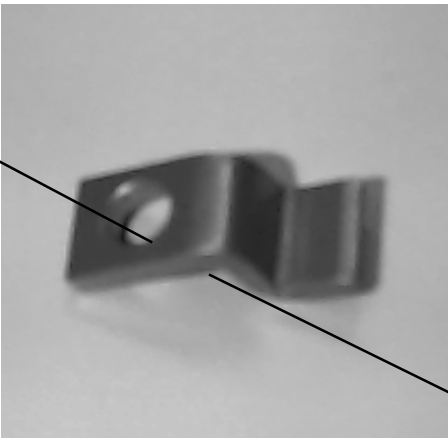
22-1



22-2

Step 23

Install the new door cam in place of the original door cam, as shown below in Picture 23 -1. Mount the door cam, using the existing hinge stop Allen key screw.



23-1

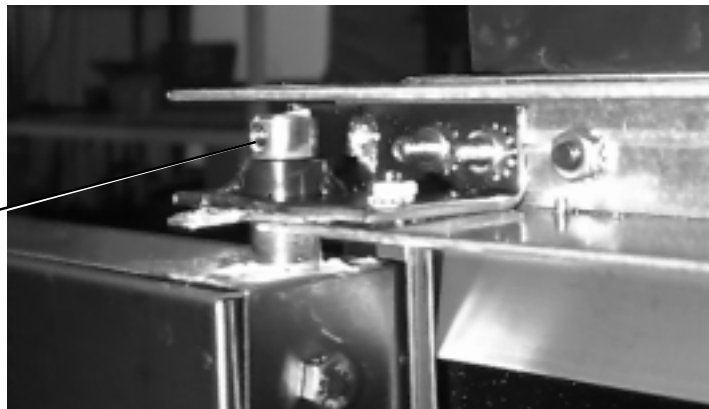
Step 24 Tighten the Allen key hinge stop screw, using a 3/16" Allen wrench. See Picture 24-1.



24-1

Step 25 Install the existing hinge stop Allen key screw at the top of the door hinge. See Picture 25-1.

Insert Allen key screw here



25-1

Step 26

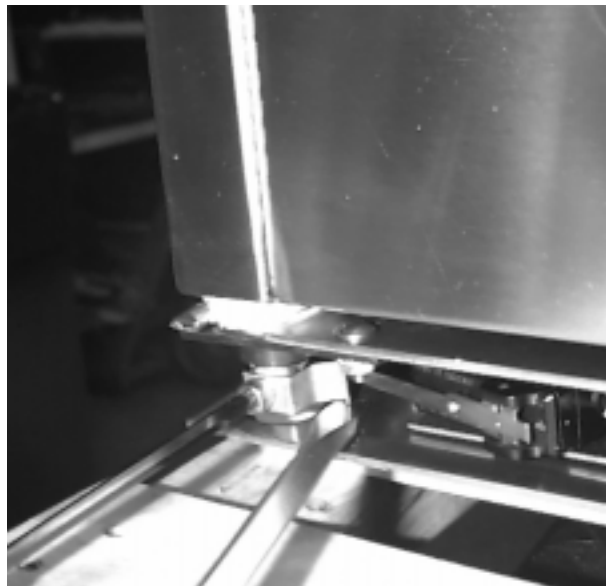
Remount the microswitch assembly, using the existing 11/32" mounting screws. See Picture 26-1.



26-1

Step 27

After installing the microswitch assembly, slowly close the oven door to check that the new door cam engages properly with the microswitch arm when the door is fully closed. See Picture 27-1. If the door cam does not engage properly, it may be necessary to loosen and readjust the door cam or the microswitch bracket assembly.



27-1

Step 28 Position the microswitch wires into the bottom “U” channel, as shown in Picture 28-1.



28-1

Step 29 Reinstall the bottom trim cover as shown in Picture 29-1. *Note: Step 29 continued on next page.*



29-1

Step 29 cont.

Make sure that the trim cover door hinge cutaway slips under the round door spacers . It may be necessary to gently tap the cover in place using a rubber mallet. See Pictures 29-2 and 29-3. Once the cover is fully in place, install the Phillips head mounting screws.

Door hinge cutaway.



29-2



29-3

- Step 30 Connect the oven to its electrical utility. Operate the oven to be sure that the door stays properly closed at high temperature. Open the door during operation to be sure that the convection fan switches off. Listen to confirm the fan starts after the door is closed again.
- Step 31 After the oven functions normally, return it to service. If the oven convection fan does not switch on or off properly, recheck the engagement of the door cam.

NOTES