



# CRANE NATIONAL VENDORS

## FACTORY TEST PROCEDURES GPL SNACK SERIES - FINAL TEST

**PURPOSE:** The purpose of this qualification test is to ensure the mechanical and electrical operation, and physical appearance of the Snack Center merchandiser.

**ASSEMBLY AFFECTED:** GPL merchandiser, models 159, 160, 452, 453, 467, 468, 490, 493

**USAGE:** This procedure is used to fill out the Snack Center inspection sheets, part number 1570059

REVISION DATE: B, August 25, 1998	
ISSUED BY:	DATE ISSUED:
APPROVED BY: (SOFTWARE) <i>Paul R. Cheney</i>	DATE APPROVED: <i>Aug 25, 1998</i>
APPROVED BY: (MECHANICAL)	DATE APPROVED:
APPROVED BY: (MANUFACTURING)	DATE APPROVED:
APPROVED BY: (QUALITY)	DATE APPROVED:





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## NOTE

If the unit is equipped with the "DEX" option, it must be checked by a QA technician per procedure 4310048. If the unit is equipped with the printer option, it must be checked by the final tester.


1. Perform the continuity/dielectric test. This test must be successfully performed before continuing.
2. Install the coin mechanism as required. If a "dumb" coin mech is installed preload the tubes with 2 coins of each denomination.
3. Load 2 cans into each can selection.
4. If a cup ring is installed, preload the ring with 4 cups.
5. With the machine power switch set to OFF (and foreign interlock switch pushed in), connect the machine to the appropriate voltage.
6. With the machine turned ON, (interlock switch IN for foreign) verify that the credit display is illuminated, and that led1 is ON and led2 is flashing on the main controller.
  - For foreign machines verify that the fluorescent lights are OFF and all high voltage fans are OFF.


Pull out the foreign interlock switch. Verify on both foreign and domestic machines that the fluorescent lamp(s) are ON and any fans are ON. Any compressor may not be on at this time.

7. Press and hold . While holding, press . The display shows the software version number.
8. Press . The display should show the correct time. Use the number keys to enter the correct time in 24 hour format.
9. Press . The display should show the correct date.

Verify that a "/" (slash) separates the month and days to indicate the American date format for month/day/year.

If a "--" (dash) is shown, this indicates the machine is set for the European date

format. In this case, first press  to change to the American date format before entering the date.

10. Press . The display shows *CLEAR ALL*.

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11. Press and hold **(C)**. The display shows *CLEARING*. This means that the RAM is being cleared. The display will show *FINISHED* when complete.
  12. Press **(\*)**. The display shows *DUMBMECH*. Press **(H)** to select the coin mech type.
  13. Press **(\*)**. The display shows *NO DBV*. Press **(H)** to select the correct validator type.
  14. Press **(\*)**. The display shows *NO CARD*. Press **(H)** to select the correct card reader type.
  15. Press **(\*)**. The display shows *DSPLYTEST*.

Press **(J)**. All characters on the display should be illuminated.

Press the keys **(0)** through **(9)** and **(A)** through **(J)** in turn. A beep should occur on every press.

16. Press **(\*)**. The display shows *CNF SNACK*. Press **(H)** to select the correct configuration for this machine.
17. If J was configured, verify the coffee subassembly test checklist is completed, then:

Press **(\*)**. The display should show *J=FB.D.4.6.8.9*.

A. If the coffee section is Freeze Dried, press **(H)** to change the display to *J=FD.D.4.6.8.9*.

B. Press the number keys **4**, **6**, and **8** to remove espresso, cappuccino, or cup only from the menu, if needed.

Press **(\*)**. The display should show *CUP=8OZ*. If the coffee section is freeze dried, press and hold **(C)** until 2 beeps are heard. This loads the freeze dried default times.

Press **(\*)**. The display shows *CUP T*. (The "T" indicates that the hot water tank is low.)

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- A. Press **J** to drop a cup. Confirm that the cup ring works properly. Repeat at least two times.
  - B. Confirm that *P* appears in the display when the cup ring goes empty.
  - C. Confirm that *P* appears in the display when the waste pail float indicates full.
  - D. Confirm that *#* appears in the display when the mug switch is pressed (optional).

18. Press **\***. The display shows *TEST#TRS*.

Press **J**. Verify that each motor runs in turn and that only one motor runs at a time.

**If a can unit *IS NOT* installed:**

At the completion of the motor test, verify that the display shows *ERR0*.

**If an 8 selection can unit is installed:**

At the completion of the motor test, verify that the display show *ERREF*. Press "E" and verify that display shows *-.-.-. (all home, 1 can each left)*.

Press **J** to vend the last cans from selection E. Verify the display shows *..... (all home, no cans present)*.

Press **F** and verify that display shows *-.-.-. (all home, 1 can each left)*.

Press **J** to vend the last cans from selection F. Verify the display shows *..... (all home, no cans present)*.

Press **#** to return the display to *ERREF*.


19. Skip this step if no food or frozen module is installed.

Press **\***. The display shows *FOOD13*. Press **J**. Verify that the food lock solenoid should de-energize and the food door moves to the open position. Verify the display shows *FOOD012*.

Press **J**. Verify the food door moves to the closed position and the food lock solenoid fires. Verify the display shows *FOOD13*.

Open the food loading door. Verify the display shows *FOOD 3*.

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20. Press . The display show *TEST .00*.

- If a dumb or MDB mech is installed:

Insert 1 nickel, 2 dimes, and 3 quarters. Verify that all the coins are accepted and that the display shows *TEST1.00*.

Press the coin return button. Verify that 1 nickel, 2 dimes, and 3 quarters were returned and that the display shows *TEST.00*.

- If a validator is installed:


Insert a 1 dollar bill. Verify that the display shows *TEST1.00*.



Press the coin return. Verify that any bill in escrow is returned (stacked bills can be recovered at the end of the test).

21. If a coffee section is installed:


Make a **J9** selection (or any **J** selection if **J9** is not available). The cup ring must not be empty. Confirm that the **DRINK BEING SERVED** lamp flashes and that the cup drop and auger(s) work properly.

22. Skip this step if the machine is not equipped with a compressor.

Press . If the compressor has not started the display will show *00-000.00*. Wait until the display changes to non-zeroes and verify that the compressor is actually running.

23. Press . The display shows *ENGLISH*. Press  to select the language of the country of destination.

24. Press in the door switch to end the test. Verify that display eventually shows an operational standby message.

25. *FAULTS* will show if any error exist. If *FAULTS* does not appear, press  until *FAULTS* does appear. There should be no error messages except *ERREF* for an empty can module.

26. If a coffee selection is installed:

Assure that the cup ring is empty. Press in the door switch. Confirm that the cup turret advances until the cup ring is not empty.

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27. If the unit is equipped with a dumb or MDB coin mech press **#** then **1**, **2**,  
**3** as necessary to recover all coins from the coin mechanism.
28. •If the machine is set for **EXEC MECH**:  
Install the exec mech simulator and confirm the simulator display shows *COMM*.
29. Turn off power to end the test.