

KIT 4550021
INSTRUCTIONS FOR INSTALLING 4554090 REFRIGERATION UNIT
(FIELD TEST ONLY!)

CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING, CONTACT THE NATIONAL VENDORS PARTS DEPARTMENT IMMEDIATELY.

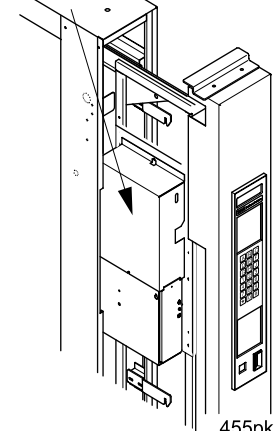
Read these instructions carefully before installing the kit.
 Keep these instructions for part numbers and for future reference.

THIS KIT CONTAINS THE FOLLOWING :

PART NUMBER	DESCRIPTION	QUANTITY
7801228	PANEL - REAR DIFFUSER	1
4741050	SCREW - #8-32 X .50 HX.HD. - T/F-B	6
V158.25F	EPROM	1
FIELD TEST	HARNESS	1
3106145	WIRE TIE #PLT2S-M	4
4554090	REFRIGERATION UNIT	1
4614027	SEAL - 1.00 X .87	13 INCHES
4554092	SHROUD - EVAPORATOR FAN	1
7804012	EVAPORATOR FAN	1
3104124	SCREW - #8-32 X 5/8 PHS SS	3
4402043	NUT - #8-32 W/L W - SS	3
4042121	WIRE TIE - #PLT1M-M20	2
4711035	STRAIN RELIEF	2
3157060	SCREW - #8-32 X .31 HEX W/HD	1
4721035	SCREW - #8 - 18 X .38 - LGM	2
4550022	INSTRUCTIONS	1

- 1. WARNING! Electrical Shock Hazard - Turn main switch located on the power panel off and unplug the machine from the outlet. Failure to do so could result in electrical shock and damage to the machine.**
2. Read these instructions carefully before installing this kit.
3. Remove upper cover in the Monetary area to expose the PC board.

REMOVE THE UPPER COVER.

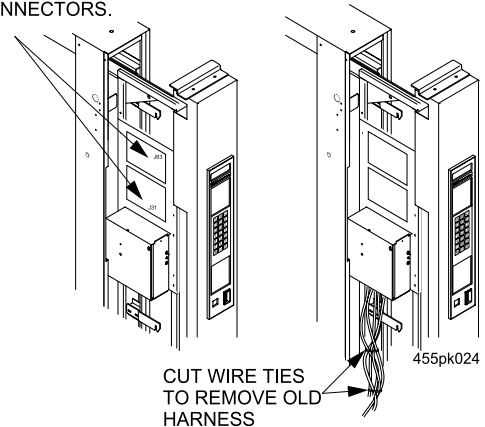


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4. Unplug and remove old harness from J31 and J63 connectors.

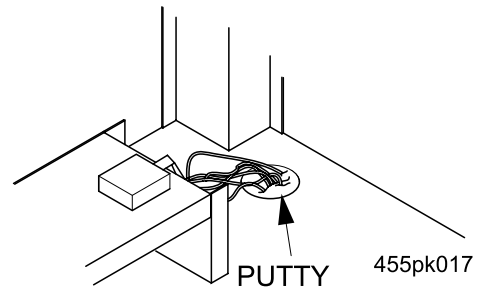
REMOVE OLD HARNESS FROM CONNECTORS J31 AND J63. THEN ATTACH THE NEW HARNESS IN THE SAME CONNECTORS.

5. Cut the tie wraps to access the old harness for removal.
6. Remove the putty that seals the wires in the shelf of the machine.
7. Disconnect the old harness and pull down through the hole where the putty was removed.



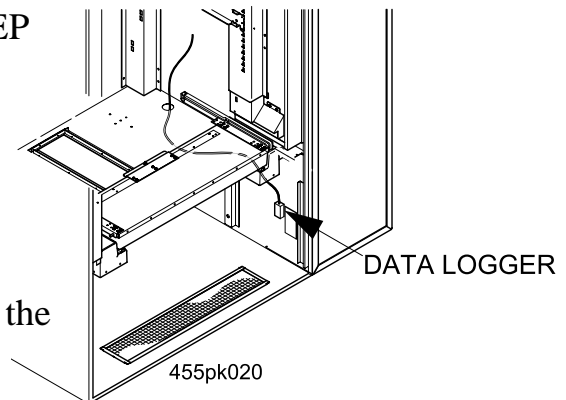
8. Snake the NEW harness through the same path that the old harness took through the Monetary area.
9. Feed the NEW harness through the path that the old harness took through the large hole in the shelf of the machine.

10. Plug the NEW harness into the connectors used by the old harness.



11. IF YOU HAVE RECEIVED A DATA LOGGER, PLEASE FOLLOW ADDITIONAL STEPS 13 THROUGH 15. OTHERWISE, SKIP TO STEP 16.

12. Peel the paper backing off the Data Logger and adhere to the cabinet/monetary wall to the left of the label.



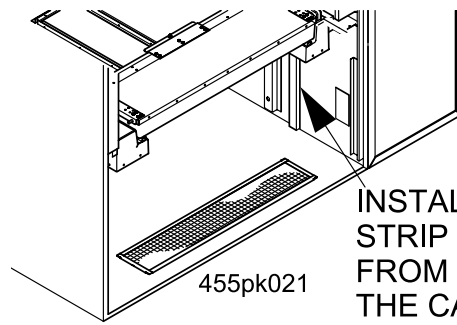
13. Fish the Temp Sensor wire through the hole in the shelf with the other harnesses.

14. Pull harness up and wire tie with the other harnesses by the tray rail PCB. Pull all of the excess wire through the hole and bundle with a wire tie. Tie wrap the logger Temp Sensor near the machine Temp Sensor.

15. Replace the putty to seal the wires in the hole.

16. Gather wires together where ties were removed and install new wire ties.

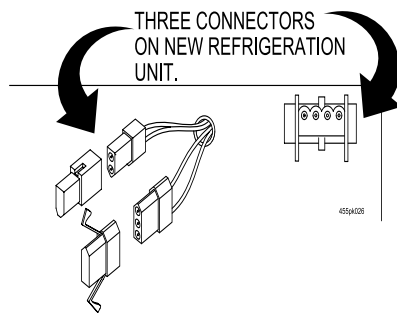
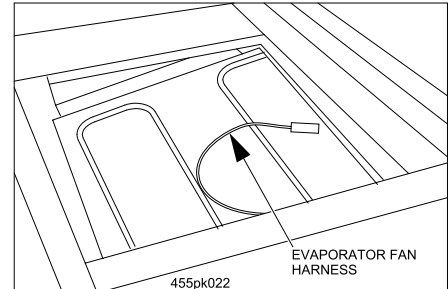
17. Install foam insulation on the right cabinet wall approximately 9 1/4 inches from the front of the cabinet floor. It should line up with the foam insulation on the side of the refrigeration unit.



INSTALL FOAM INSULATION STRIP APPROX 9 1/4" FROM THE FRONT OF THE CABINET.

18. INSTALL NEW REFRIGERATION UNIT

19. Position the evaporator fan harness over the top of the refrigeration unit so as not to damage it during installation.

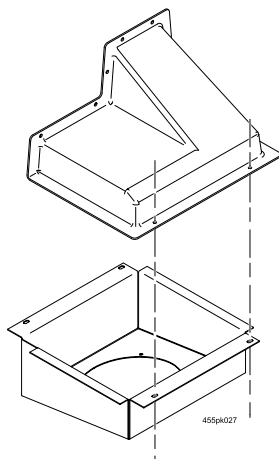
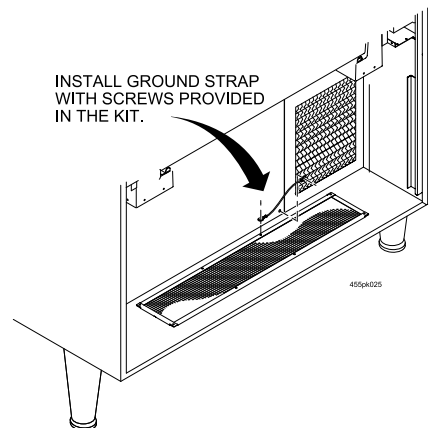


20. Slide new refrigeration unit into the cabinet (Monetary door should be open). There are now three connectors instead of two in this area. One for power to the refrigeration unit, the sensor 2 and the new pressure switch. Tuck sensor 2 and new pressure switch in the J clamp.

21. Manipulate the top gasket on the refrigeration unit so it seals between the unit and the cabinet. Be sure that the foam installed on the side of the cabinet and the foam on the refrigeration unit are aligned. Feed the harnesses between the two foam pieces.

22. Install the refrigeration unit positioning brackets on the floor of the cabinet.

23. Install the ground wire as indicated by the illustration using the 3157060 silver machine screw to attach it to the screen.



24. Remove the plastic evaporator air duct.

25. (The new evaporator fan assembly will be mounted in the cabinet.) Feed the evaporator fan harness from the refrigeration unit through the knock out in the fan housing.

26. Install the fan assembly into the cabinet with the deepest side of the fan housing towards the door hinge side of the cabinet wall.

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27. **!IMPORTANT!** Pull all the excess harness wire into the evaporator fan housing area so the harness does not touch the defrost heater on the evaporator.
 28. Install the Hayco connector on the harness as close as possible to the knock out hole. LEAVE NO SLACK IN THE HARNESS below the fan housing.
 29. Tie wrap the harness to a convenient fan motor bolt hole with the small black wire tie so the harness can't get caught in the fan motor blade
 30. Make the connection to the new evaporator fan assembly.
 31. Reinstall the plastic air duct cover. The new fan and air duct cover use the same screw holes. You may need to use the enclosed 4721035 screws in the shared holes.

32. Install rear screen diffuser panel on the back of the cabinet using the 4741050 black screws.
33. Install new EPROM.
34. Program the machine to -6°F and 4 defrost cycles per day.

