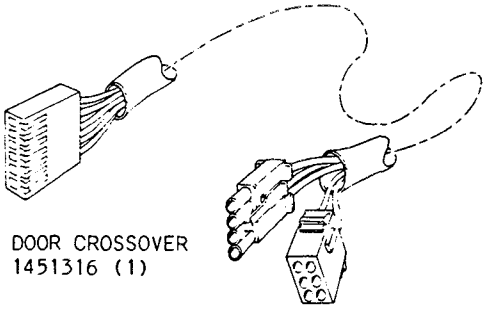
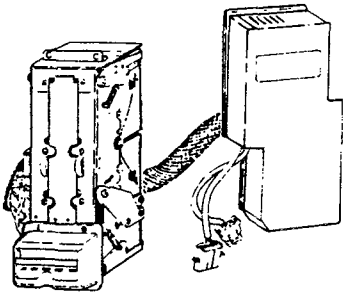
INSTRUCTIONS FOR INSTALLING A MINI MAKA VALIDATOR KIT, P/N 1452371, IN A NATIONAL VENDORS® SNACKTRON 1™, SNACKTRON 2™, OR REFRESHTRON 2™ MERCHANDISER

CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST IN THESE INSTRUCTIONS. FIGURE 1 SHOWS ALL THE PARTS IN THE KIT. IF ANY PARTS ARE MISSING, CONTACT NATIONAL VENDORS' PARTS DEPARTMENT IMMEDIATELY.

REFRESHTRON 2 ONLY: On merchandisers produced prior to serial no. 10329, it wll be necessary to order the latest computer programmed EPROMS. These EPROMS, U2 & U3, are used on the Controller P.C. Board.



DOOR CROSSOVER
1451316 (1)

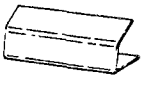


VALIDATOR & CONTROLLER ASSY. (1)
1452359

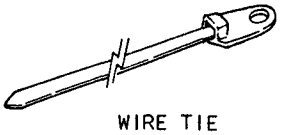
INSERT, UPPER
INSTRUCTIONS-
VALIDATOR
1452326 (1)

INSERT, LOWER
INSTRUCTIONS-
VALIDATOR
1452327 (1)

NO.10 EXTERNAL TOOTH
LOCKWASHER 2306487 (1)



ANGLE INSERT-VALIDATOR
1452323 (1)

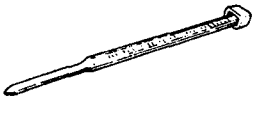


WIRE TIE
5230618 (2)

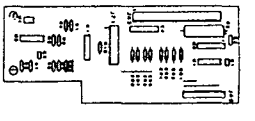
CLAMP-.62
4241250 (1)

SCREW-#10-32 X .31
THS T/F BLACK
1452312 (2)

SCREW-#8-32 X .31
HEX HD T/F BLACK
1451097 (4)



WIRE TIE-SELF
CLINCHING (MEDIUM)
2204513 (1)



PCB ASSY. MARS/MAKA INTERFACE
1451336 (1)

FIGURE 1

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SNACKTRON 1™ and SNACKTRON 2™

1452371 (stacker capacity - 400 bills) contains the following:

Part Number	Description	Quantity
1451097	Screw, #8-32 x .31 Hex Hd. T/F-Black	4
1451316	Door Crossover	1
1451336	PCB Assy.-MARS/MAKA Interface	1
1452312	Screw, #10-32 x .31 THS T/F Black	2
1452323	Angle Insert, Validator	1
1452326	Insert, Upper Instructions-Validator	1
1452327	Insert, Lower Instructions-Validator	1
1452359	Validator and Controller Assy. -400	1
1452372	Instructions, Maka Installation	1
2204513	Wire Tie, Self Clinching (Medium)	1
4241250	Clamp, .62	1
5230618	Wire Tie	2
2306487	Lockwasher, No.10 External Tooth	1

IMPORTANT

This kit can be installed only if merchandiser is equipped with a MARS 5000 or COINTRON™ 3000 coin changer.

This kit should be installed by qualified technicans using the proper tools for electronic work.

KIT INSTALLATION

To install kit, disconnect merchandiser cord from the service outlet, and open cabinet door. Refer to the attached illustrations while performing the following steps.

1. REPLACEMENT OF INSTRUCTION INSERTS (UPPER & LOWER)

A. Remove data access cover (see Figure 2).

B. Take upper casting off.

C. Replace upper instruction insert with new insert (P/N 1452326).

D. Replace upper casting.

E. Take coin chute assembly off.

F. Take scavenger assembly off as follows:

1. Remove spring

2. Remove cotter pin

3. Remove scavenger handle

4. Remove 4 screws

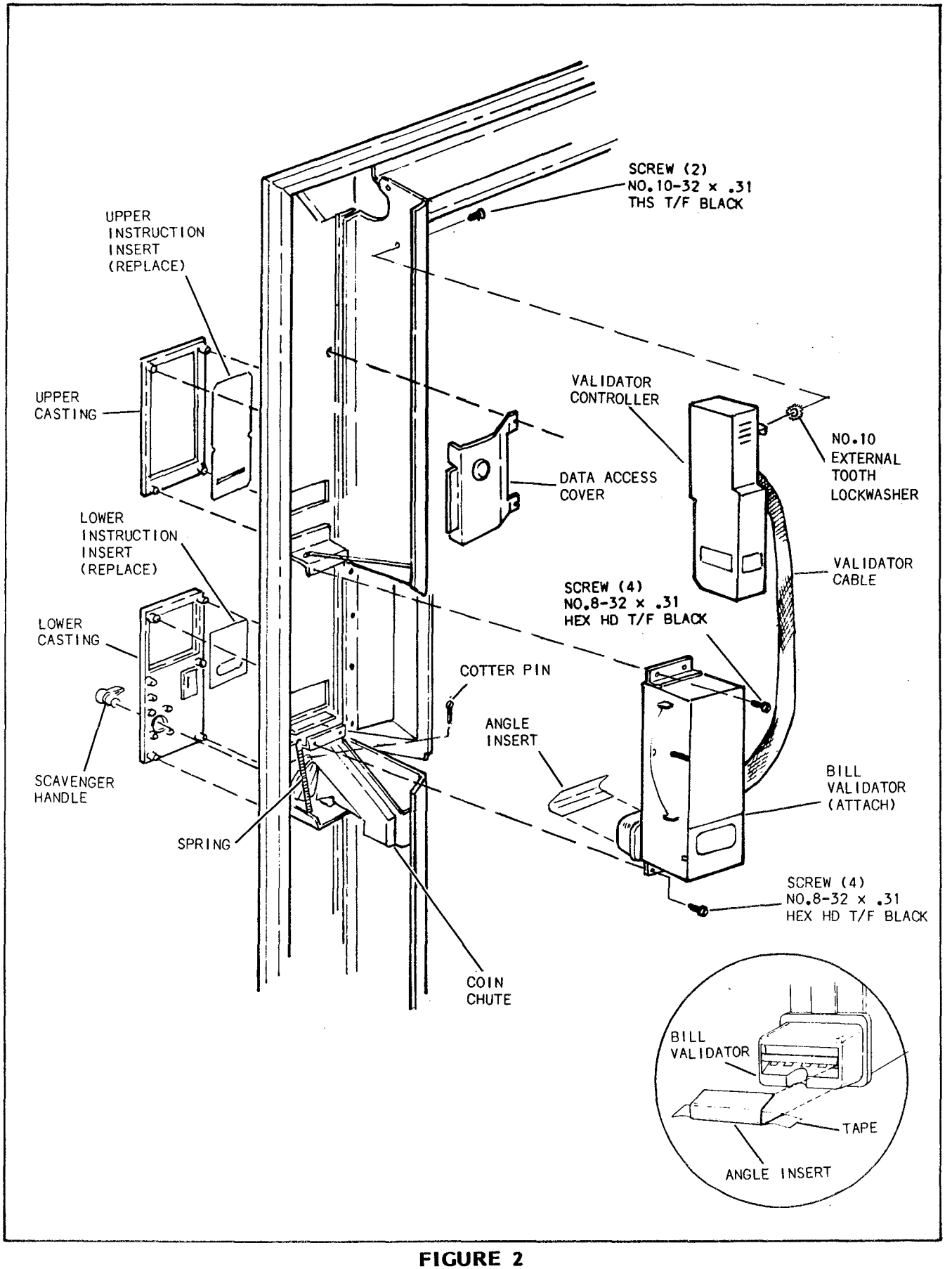
SCREW (2)
NO.10-32 x .31
THS T/F BLACK
UPPER
INSTRUCTION
INSERT
(REPLACE)
UPPER
CASTING
VALIDATOR
CONTROLLER
NO.10
EXTERNAL
TOOTH
LOCKWASHER
DATA ACCESS
COVER
LOWER
INSTRUCTION
INSERT
(REPLACE)
VALIDATOR
CABLE
SCREW (4)
NO.8-32 x .31
HEX HD T/F BLACK
LOWER
CASTING
COTTER PIN
ANGLE
INSERT
BILL
VALIDATOR
(ATTACH)
SCAVENGER
HANDLE
SPRING
SCREW (4)
NO.8-32 x .31
HEX HD T/F BLACK
COIN
CHUTE
BILL
VALIDATOR
TAPE
ANGLE INSERT

FIGURE 2

H. Take lower casting off.

I. Replace lower instruction insert with new insert (P/N 1452327).

J. Replace lower casting.

K. Replace coin chute assembly and scavenger assembly.

2. INSTALLATION OF MAKA BILL VALIDATOR

A. Tape angle insert (P/N 1452323) to bill validator (P/N 1452336) (See Figure 2).

B. Attach validator using four 8-32 x .31 Hex Hd T/F screws.

C. Tuck validator cable between data access cover and end plate.

D. Attach validator control box using two 10-32 x .31 THS T/F screws and one No.10 External Tooth Lockwasher.

3. MODIFICATION OF CONTROLLER ASSEMBLY

A. Disconnect wire harnesses from controller assembly, (see Figures 3 and 4).

NOTE

Access to the main power harness, located at the back of the controller assembly, can be made while removing assembly.

B. Disconnect coin mechanism interface harness.

C. Remove controller assembly.

D. Remove controller assembly cover.

E. Disconnect coin mechanism interface harnesses from J43, and ribbon wire from J49.

F. Cut coin mechanism interface harness wire tie and remove from controller assembly.

G. Remove the MARS 5000 interface PCB.

H. Attach the MARS/MAKA PCB interface (P/N 1451336).

I. Attach the door crossover (P/N 1451316) to J71. Reconnect coin mechanism interface harness and ribbon wire to the MARS/MAKA PCB interface.

J. With wire tie (P/N 5230618), secure the door crossover and the coin mechanism interface harness to the controller assembly.

K. Replace controller assembly cover.

L. Replace controller assembly, connecting back power harness and coin mechanism interface harness before installation.

M. Replace remaining harnesses to controller assembly.

N. Replace the upper cabinet harness clamp with the new clamp - .62 (P/N 4241250) so that both the door crossover and light assembly harness and secured.

O. Connect door crossover to the validator control box.

P. Secure door crossover to door by using clamp (P/N 5230618). Attach clamp under top thumb screw on the ribbon clamp, being careful not to pinch display ribbon harness.

Q. Fasten wire tie (P/N 2204513) around door crossover and light assembly harness, approximately half way between wire clamps.

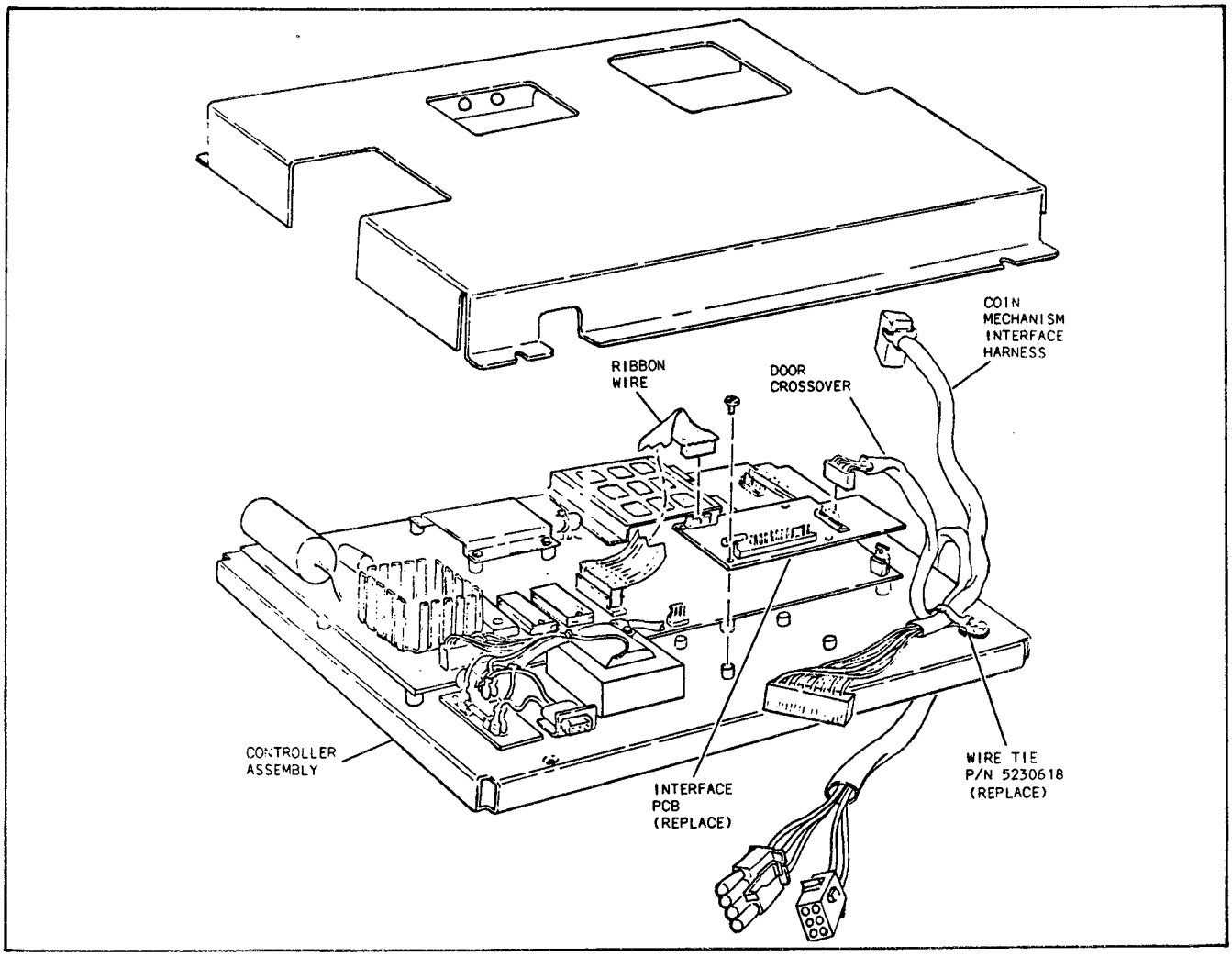

FIGURE 3

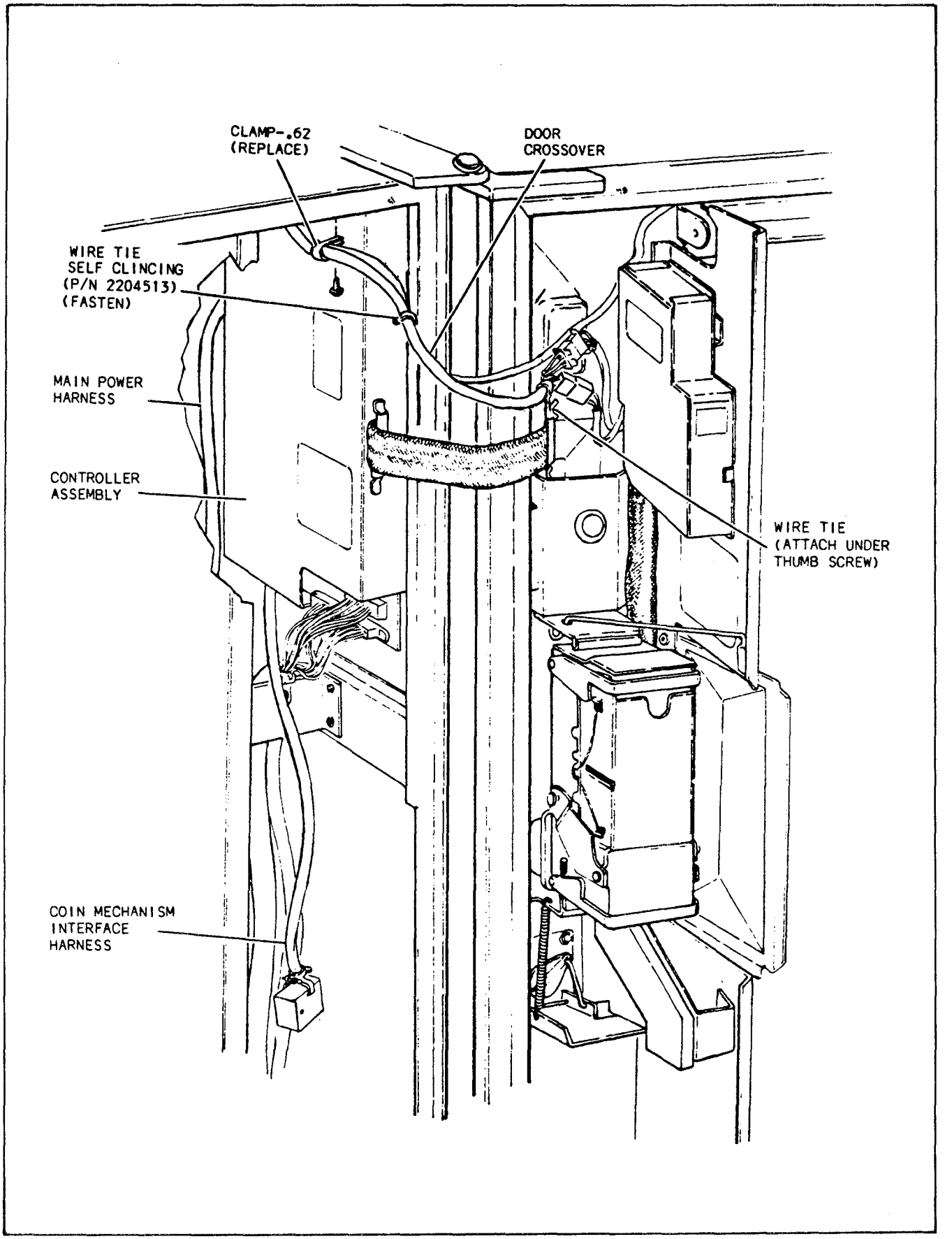
CLAMP-.62
(REPLACE)
DOOR
CROSSOVER
WIRE TIE
SELF CLINCING
(P/N 2204513)
(FASTEN)
MAIN POWER
HARNESS
CONTROLLER
ASSEMBLY
WIRE TIE
(ATTACH UNDER
THUMB SCREW)
COIN MECHANISM
INTERFACE
HARNESS

FIGURE 4