

Dixie-Narco®



Lawrence Street
Ranson, West Virginia 25438

(304) 725-3481
(800) 624-0553

Service Bulletin # 300

INSTRUCTIONS: For Ardac MBA Downstacker Only.

Date: October 8, 1985
Revised: June 10, 1988

MODELS: Venders with Ardac Validator factory installed.

NOTE: Ardac Validator is UL approved.

IMPORTANT: The Ardac Validator installed in this Vender has the LED lamp in the acceptor area. a. When "OFF", use \$Bills or Coins.
b. When "ON", use Coins only.

NOTE: Service Started Shipping Ardac LED on June 22, 1987.
Production Started Using Ardac LED on June 23, 1987.

LED: Plug LED lamp assembly into the Ardac OSW harness. See Pages 6 and 7.

Procedure Applies to Retrofit Kits also.

1. See Function SW information, Page 4 before proceeding. Do not "plug in" Vender at this time. The Stacker is packaged separately in the vender. Slide it carefully onto the rails of the acceptor. Make sure it latches. Plug into Stacker electrically either side. See Fig. 1 Page 5.
2. Install a Coin Changer: For Ardac Validator Blue Box System-MBA-UIO

This: ~~#~~ MARS 6200DE or ~~#~~ TRC 6200H
~~#~~ MARS 6200CH or ~~#~~ TRC 6200CH

~~#~~ MARS 5800DE or ~~#~~ TRC 6800H
~~*~~ MARS 5802 or ~~#~~ TRC 6800H

~~#~~ MARS 5805DE or ~~#~~ TRC 6800CH
~~*~~ MARS 5807 or ~~#~~ TRC 6800CH

~~*~~ COINTRON 525E-Also order adapter cord 5305626

~~*~~ MAKU US111A

~~*~~ See Page 6 - Uses T-Block
~~#~~ See Page 7 - Does Not Use T-Block

3. Fill changer with coins - Nickels, Dimes, and Quarters. (Coinco does not have a dime tube).

Put product in at least two (2) columns so that these two (2) sold out lamps go "out". "PLUG IN" the vender.

Look at correct change lamp, if it is "On" "flip" pay out switches of coin changer to pay out coins. Lamp should go off.

4. Locate Status Display on the control box at bottom of Main Door.

0 Zero, blipping should appear on Status Display. It blips for a short time and disappears. Dot continues to blip.

5. Insert a \$1 bill into acceptor at front of vender (George Washington's face up). Run thru - several \$1 bills.

6. Open door of stacker and watch bills stack inside.

To remove bills, push switch - Fig. 1A, Page 5 Quickly grasp bills and remove.

7. Refer to Status Display in Control Box for explanation and correction if the numbers appear.

| <u>Numeral Showing Is</u> | <u>Indicates</u> | <u>Explanation and/or Correction</u> |
|---------------------------|-------------------|--|
| 0 | Power Up - O.K. | Electrically set up Ready for operation. |
| 1 | Note In Escrow | There is no escrow. 1 should not appear |
| 2 | Note(s) Inhibited | Will not accept \$1 bill a. Check for coins in changer tubes. b. If correct change lamp "on" flip payout switches to pay-out coins from changer. c. Check to see if all Sold Out Lamps are on, If so put in product. |

For \$ Validator Assistance, Phone
Dixie-Narco Service
800/624-0553
304/725-3481

| <u>Numeral Showing Is</u> | <u>Indicates</u> | <u>Explanation and/or Correction</u> |
|---------------------------|--|---|
| 2 (cont'd) | | <ul style="list-style-type: none"> d. Check to see if Vend Relay is "On" i.e., energized. If so, push a select button to cancel the credit e. Check electrical connections at Ardac components. f. If "Check Out" is OK - replace Control Box |
| 3 | Check Stacker | <ul style="list-style-type: none"> a. Open stacker door for any obstruction. b. Push switch momentarily, Fig. 1-A, stacker should run and cycle to stop c. Check electrical connections at Ardac components. d. If not corrected, replace Stacker. |
| 4 | Adjust Mag. | <ul style="list-style-type: none"> a. Will not accept \$1 bills, locate Mag Gain on Control Box to left of status display. b. Push Function SW1 to "ON". Acceptor Motor will run. c. While running, turn Adjusting Screw clockwise all the way. Slowly turn adjusting screw counterclockwise till 4 disappears. Now turn adjusting screw slightly counterclockwise equal to hour hand movement from one clock numeral to the other. Turn Function SW1 to Off |
| 5 | Check position Sensors in Acceptor | <ul style="list-style-type: none"> a. Sensors cannot be adjusted except by Factory. b. Check electrical connections between acceptor and control box. c. If this does not correct replace acceptor. |
| 6 | Check Mag. in Acceptor | <ul style="list-style-type: none"> a. Mag. Head cannot be adjusted except by factory. b. Check electrical connections between acceptor and control box. c. If this does not correct, replace Acceptor. |
| 7 | Check Transport (Acceptor and Transport are the same part) | <ul style="list-style-type: none"> a. Remove the Acceptor. b. Look for dirt or foreign matter. c. Correct by turning white gear and running a \$1 bill thru the Acceptor by hand. d. Check electrical connections between acceptor and control box. e. If not corrected, replace the acceptor. |

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|----------------|-------------------|------------------|--|
| 8 | | Check Program | Should never appear on Status Display - does not apply. |
| 9 | | Clear Jam | a. If jammed \$1 bill in acceptor cannot be pulled out, remove the acceptor and disconnect electrically. b. Turn white gear side of acceptor back and forth by hand while at the same time straighten \$1 bill to release it. c. If \$1 bill's are jammed in stacker, remove bills. d. Run numerous bills thru acceptor into stacker and observe bills being stacked. e. Operate cycle switch numerous times. f. If this does not correct, replace stacker. |
| | | Control Box | If Status Display does not "light up", a. Check electrical power source. b. Check "circuit breaker" right side edge of control box to see if White is showing. c. Determine reason for Circuit Breaker out - then reset. d. If this does not correct, replace Control Box. |

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Function SW

Locate the Function Switches on the Control Box.

Function Switches 1, 3, and 4 should be in Off position } Explanation is as follows
 Function Switch 2 should be in On position

- 1 - ON - Test/Set Mag.
 OFF - Normal Mode
 In the "ON" position, the acceptor motor will run continuously. See Status Display 4, Page 3.
- 2 - ON - Bill One Dir.
 OFF - Bill Two Dir.
 In ON position, bills are accepted in one direction only.
- 3 - ON - Data Dump
 OFF - Normal Mode
 Leave in OFF position (Data Dump Not Applicable)
- 4 - ON - \$1 eq 4 pulses
 OFF - \$1 eq 1 pulse
 Leave in OFF position.
 In ON position, incorrt change will pay out.

SPECIFY THE ARDAC MBA

Service Bulletin #300

MOUNTING:

1. BILL ACCEPTOR VIA 4 STUDS/NUTS(SHO)
2. KEYHOLE SLOTS AND SHIP SCREW HOLES IN FRONT OR REAR OF STACKER.

LIFT TOP COVER TO SEE PATH OF BILL.

LATCH TO ALIGN AND SECURE THE STACKER TO THE BILL ACCEPTOR. ONE REQUIRED ON LEFT OR RIGHT SIDE, NOT BOTH.

ROTATE THIS GEAR BY HAND (WITH POWER OFF) TO ASSIST IN CLEARING THE BILL PATH.

DOOR TO ACCESS AND COLLECT BILLS; PIVOTS ON HINGE AND IS EASILY LIFTED TO REMOVE AT 45° IF DESIRED. HELD CLOSED VIA MAGNETIC STRIPS. LOCATED LEFT OR RIGHT SIDE, HINGED FRONT OR REAR (LEFT REAR SHOWN.)

PLUG, STACKER LOCATED LEFT; EIGHT; OR BOTH SIDES OF PCB.

STACKER

SLIDE RAIL ON BILL ACCEPTOR TO HOLD STACKER TO SLIDE STACKER, LIFT LATCH. UNPLUG CONNECTOR FIRST IF REMOVING STACKER.

A SWITCH, CYCLE LOCATED LEFT SIDE USED TO ASSIST IN COLLECTING BILLS AND TO CHECK CYCLE.

FIG. 1

POWER 120 V.A.C.
FROM MACHINE SOURCE



*NOTE: POWER AND COMMUNICATIONS HARNESSING CAN BE COMBINED OR SEPERATE. THEY WILL DIFFER FOR MACHINES OF VARIOUS MANUFACTURERS. ALWAYS SPECIFY MACHINE TYPE AND MODEL.

COMMUNICATIONS *



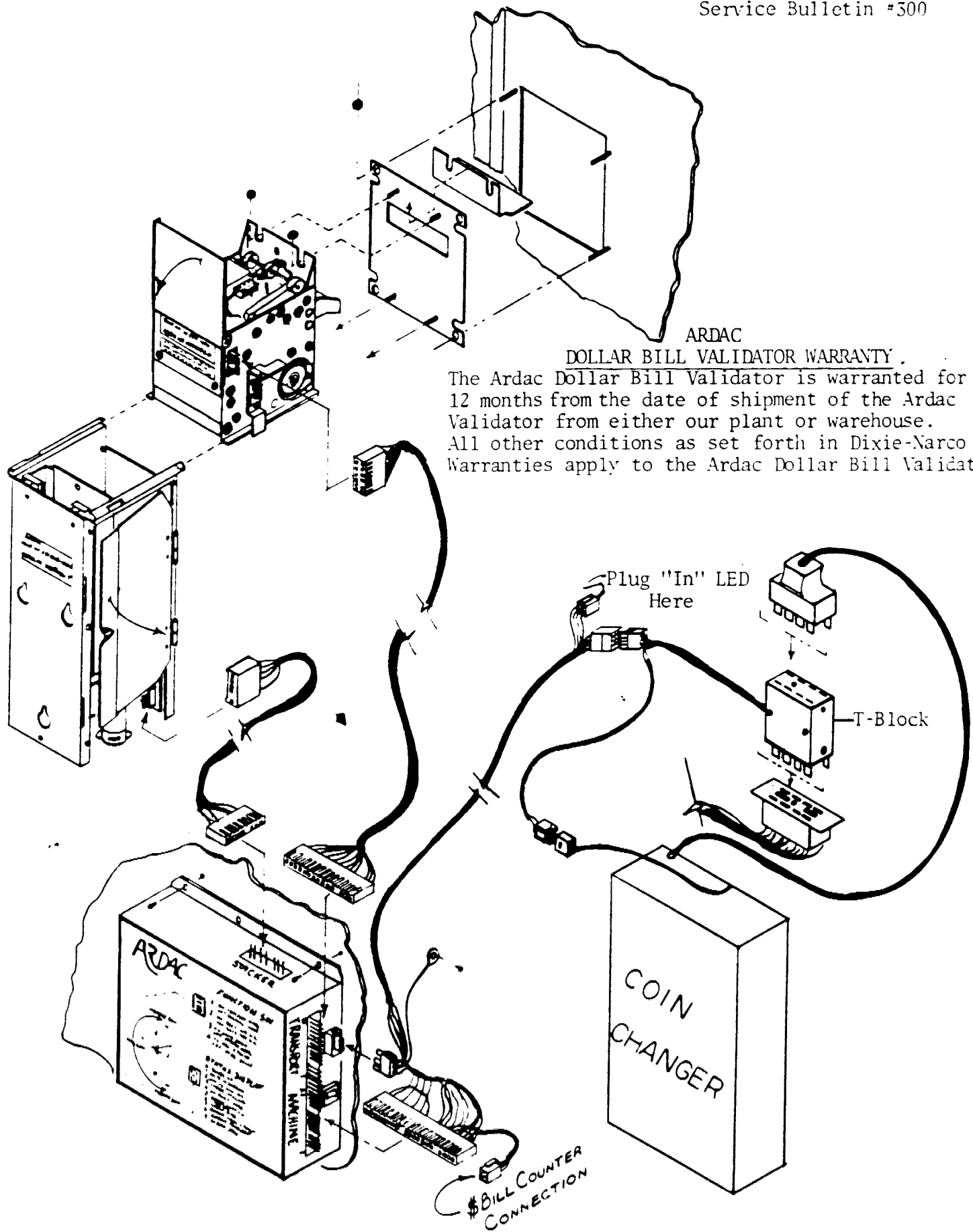
CONNECTOR TO MACHINE FOR FUNCTIONS: ENABLE-DISABLE BILL ACCEPTS ESCROW MODE (ON-OFF-ACCEPT-RETURN) VEND OR CREDIT FOR BILL SECURED.

LED WHEN LIT USE THIS ONLY ON (OPTIONAL)

Manufacturers'
Bill
Acceptor

ARDAC

Ardac Inc. 34000 Vokes Drive, Eastlake, Ohio 44042
(216) 951 3440

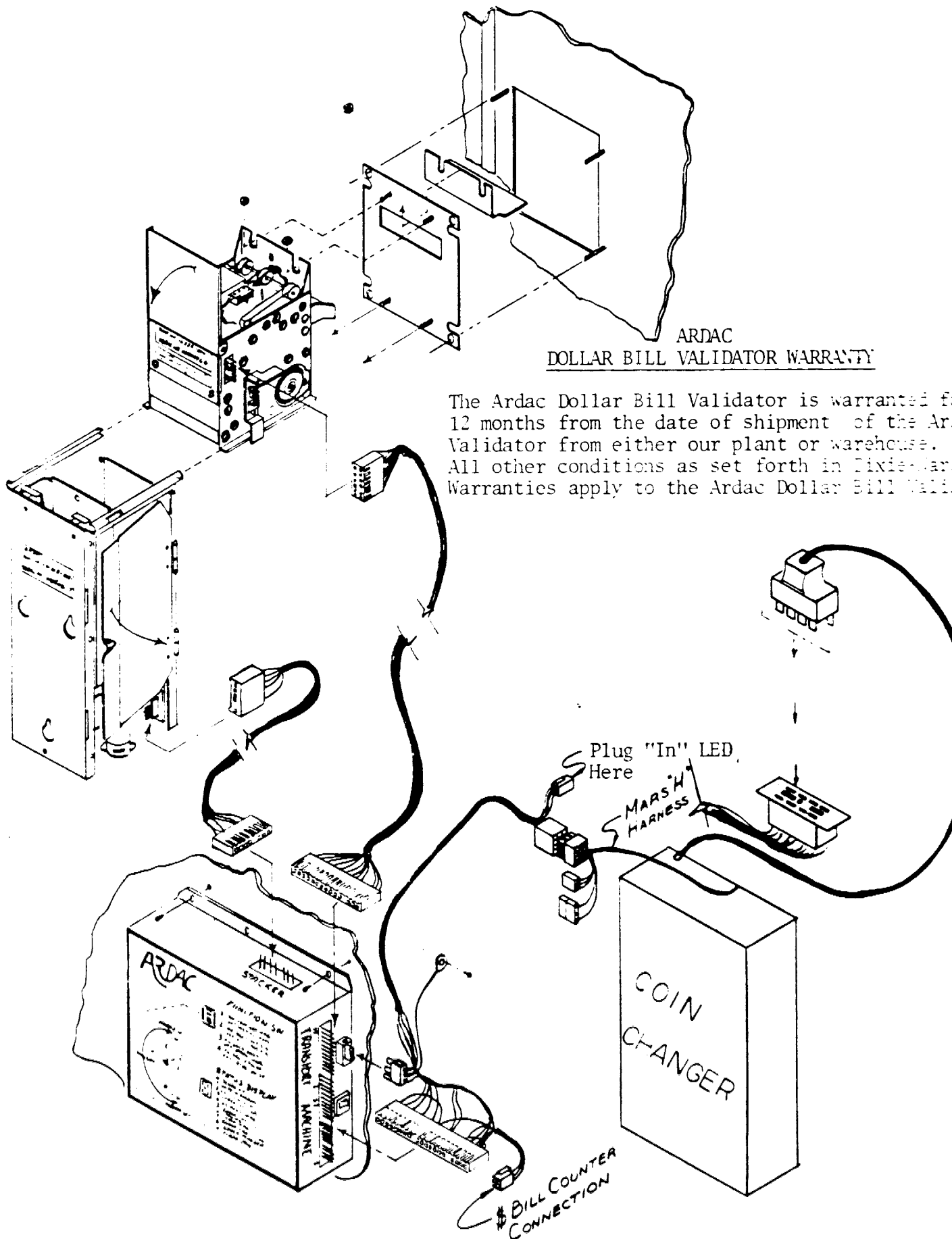


ARDAC
DOLLAR BILL VALIDATOR WARRANTY.

The Ardac Dollar Bill Validator is warranted for 12 months from the date of shipment of the Ardac Validator from either our plant or warehouse. All other conditions as set forth in Dixie-Narco Warranties apply to the Ardac Dollar Bill Validator

COMPONENT AND POINT TO POINT
WIRING HARNESS CONNECTIONS BLUE BOX SYSTEM





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