



MODEL: TRC-6512 MDB

Intellitrac™ Series
Multi Drop Bus (MDB) Coin Changers
INSTALLATION and OPERATION GUIDE

GENERAL INFORMATION

The TRC-6512 is a change giving coin mechanism intended for use in Vending Machine Controller (VMC) systems implementing the Multi Drop Bus serial interface. Vend price range, number of vend prices and optional equipment is determined by VMC.

Changer Package

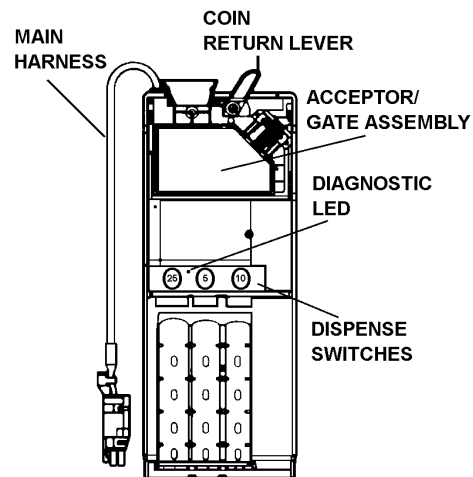
Store the changer (Fig. 1) in its original shipping carton when not in use. This carton must be used when shipping the changer for repair/exchange purposes.

Power Requirements

The Vending Machine Controller (VMC) supplies DC power to the TRC-6512 MDB. 34VDC (nominal 24VAC rectified and filtered)
The coin changer must be powered by an NEC Class II source.

Features include:

- Nickel, dime, quarter acceptance: dollar coin accept / reject option
- Nickel, dime, quarter payout
- Low or High quarter inventory option
- Maximum Acceptance/Security option
- Coin Dispense Switches
- Diagnostics LED



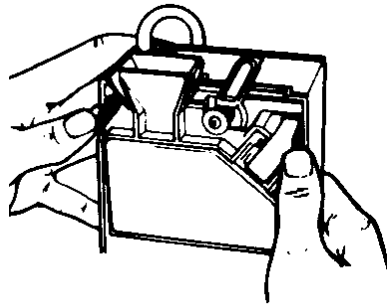
MDB Changer
Figure 1

INSTALLATION INSTRUCTIONS

Step 1: Remove power to the door

Step 2: Lower Acceptor/Gate Assembly

Lower the Acceptor/Gate Assembly (Fig. 2) by depressing both spring clips.



Step 3: Set Option Switches

The Option Switches (refer to Table 1) are located on the back of the flight deck assembly beneath the flexible lower flap. Set the switches as desired using a small screwdriver.

Do not use a graphite pencil point.

Step 4: Install changer in Vendor

Adjust the vendor mounting screws to stand off a minimum of 1/8". Align the changer access holes with the mounting screws. Tighten all screws to secure the changer in place.

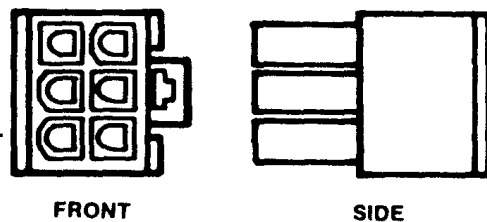
Changer must be vertical to within +/- 3°.

Step 5: Close the Acceptor

Press the Acceptor/Gate Assembly back into the Housing until the spring clips engage.

Step 6: Connect MDB Cable

Connect the changer power plug (Shown in Fig. 3) to the VMC power cable. Position or clamp the Main Harness clear of the Coin Cup and the Coin Return Lever.



Step 7: Reapply power to the door

Changer Power Plug
FIGURE 3

TABLE 1: OPTION SWITCH CONDITIONS



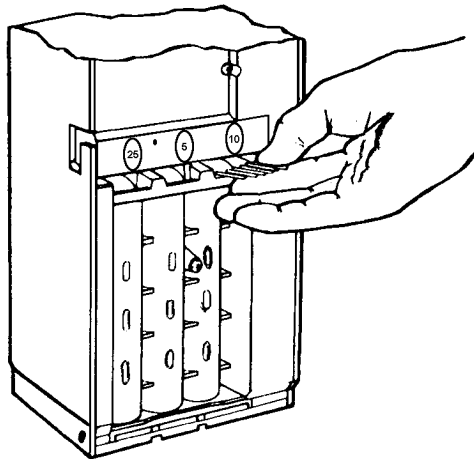
Switch	Description	Function
1 - ON	Low 25¢ Sensor	Stores 4 to 6 quarters for change
1 - OFF	High 25¢ Sensor	Stores 67 to 74 quarters for change
2 - ON	\$ Coin Accept	Accepts SBA dollar coins
2 - OFF	no \$ Coin Accept	Rejects SBA dollar coins
3 - ON	Maximum Security	for high risk locations
3 - OFF	Maximum Acceptance	for standard locations

The default settings for the TRC-6512 changer are:	
Switch	Description
1 - OFF	High 25¢ Sensor
2 - OFF	No \$ Coin Accept
3 - OFF	Maximum Acceptance

Step 6: Fill coin tubes

Before applying power, fill the coin tubes to the desired levels by inserting coin into the loading slots located on the Coin Tube Front (Fig. 4). Approximate coin tube levels are:

Coin Type	Low Sensor	High Sensor
Quarter	4 to 6	67 to 74
Dime	7 to 9	91 to 96
Nickel	4 to 6	61 to 66



**Filling the coin tubes
FIGURE 4**

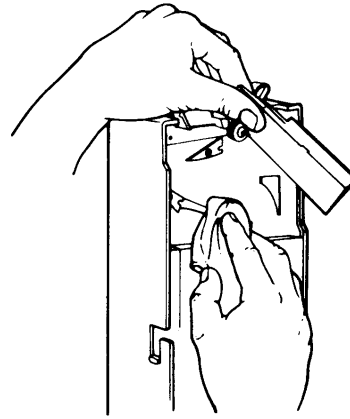
Step 7: Set Prices

Set price(s) in vendor. Refer to vendor operation manual for instructions.

CLEANING

Cleaning the Acceptor Assembly

The coin ramp and the back of the Acceptor lid should be kept clean at all times. Wipe clean using a damp cloth (Fig. 5). For problem cleaning, dampen the cloth with water and mild soap. Do not use solvents, steel wool, scouring pads, or a metal bristle brush. Do not spray with any type of lubricant.



**Cleaning the Acceptor Assembly
FIGURE 5**

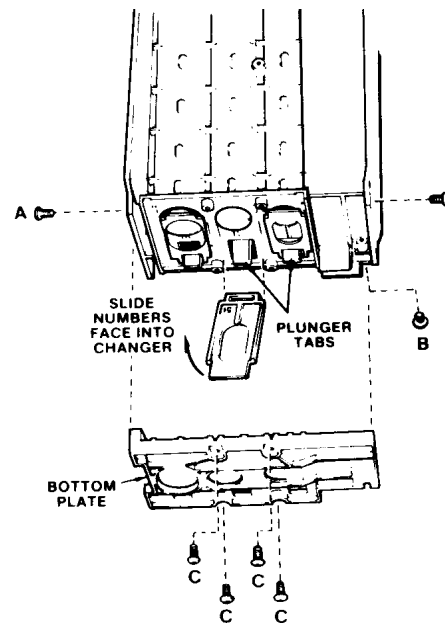
Cleaning the Dispenser Assembly

To clean the Dispenser Slides, detach the bottom plate by removing the 7 Phillips head screws - 4 screws (C) on the bottom of the changer, 1 screw (A) on each side and the recessed screw (B) on the back (Fig. 6).

Lift out the bottom plate and individual slides. Clean with a mild soap solution. Do not spray with any type of lubricant.

To replace, set the slides on the bottom plate with the 5¢, 10¢, and 25¢ numbers facing up into the changer. Align link arms with the slots in each slide assembly.

Replace the screws.



**Cleaning the Dispenser Assembly
FIGURE 6**

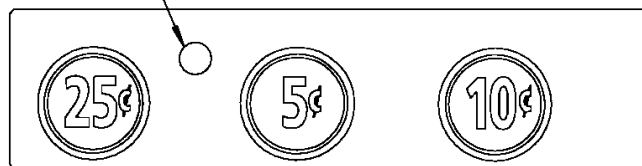
DIAGNOSTICS

The diagnostics LED can be found on the Membrane Dispense Switch plate (Fig. 7) located on the front of the coin changer. The table below explains the status of the RED LED.

LED	STATUS
ON	unit OK
OFF	power OFF
1 flash	acceptor jam
2 flash	unit disabled from VMC
3 flash	invalid coin / needs cleaning
4 flash	no credit
5 flash	flight deck lid open
continuous flashing - <i>slow</i>	unit needs to be serviced
continuous flashing - <i>fast</i>	unit in teaching mode

DIAGNOSTICS

LED



Diagnosics LED
FIGURE 7

CHECKING ALIGNMENT

Check that:

- Changer is flush against vendor wall.

- Coin insert chute is aligned above center of coin cup.

- Changer reject and cash box chutes are aligned with vendor reject and cash box chutes.

- Vertical alignment within +/- 3°.

Inspect coin return alignment. Vendor Coin Return Lever should fully depress changer Coin Return Lever but not touch when released.

CHECKING CHANGER OPERATION

Membrane dispense switches are located on the front of the Changer. Depress each switch in sequence for 1-2 dispense cycles.

NOTE: Depressing and holding of the dispense switch for longer than 4 dispense cycles will cause the solenoid to continuously dispense. To stop dispensing of the coin, simply depress any dispense switch once.

Check escrow return by inserting coins of various denominations. Request escrow return. Replace coins in coin tubes.

Test vend any set price, overpricing the vend price(s). Make sure that the proper change is paid back. Replace coins in coin tubes.

WARNING !!!
DO NOT CONNECT CHANGER TO THE
VENDING MACHINE WITH POWER APPLIED