MC SERIES
Bill Acceptors

INSTALLATION AND SERVICE MANUAL

TABLE OF CONTENTS

SECTION 1: GENERAL INFORMATION

Introduction

This manual contains information on installing, operating, and maintaining the MC Series bill acceptors. This manual is intended for owners, route operators and shop-level technicians as a primary source of informtion. Taking time to read this manual and becoming familiar with this information will help you obtain the best performance from your MC Series bill acceptor.

Product Features

• Bill widths accepted: MC2600 and MC2800 (66mm), MC7200 (72mm)
• Operating Voltages: 110VAC, 24VAC, 24VDC, 12VDC
• Communication Interface: MDB, Pulse, Vend Serial,ccTalk, ICT serial and Ardac 2 serial over RS232.
• Four-Way Acceptance
• Mounting: Upstack or Downstack
• Lighted Bezel (on standard mask only)
• Coupon capable
• Superior Stringing Protection

Operating Temperature Range:

0^oF - 150^oF

For Your Records

A label indicating the model number and serial number is affixed to the lower left hand side (when facing the bill inlet). of the bill acceptor. Refer to the model and serial number whenever you call upon Coinco/Money Controls for information or service.

Unpacking

After unpacking the unit, inspect for any possible shipping damage. If damaged, notify the shipping company immediately. Keep the carton and packing material to reuse if you need to transport or ship the bill acceptor in the future. Labels indicating the model and serial number are on the side of the bill acceptor.

Refer to these numbers when calling upon your Coinco Service Center representative for information or service.

Installation

NOTE: The Metal mounting plate must be connected to earth ground.

1. Remove power from host machine.

2. Set bill acceptor dip switches. (see Page 4).

3. Install the bill acceptor into the host machine using the mounting studs and hardware in the machine.

4. Install / Connect the proper interface harness to the host machine.

5. Apply power to the machine, verify that the Green Flashing Arrows on the front of the bill acceptor are ON and blinking. This condition indicates that the bill acceptor is ready to accept bills.
   • If the Lights are off, check wiring harness connections and make sure power is applied.
   • Also check the rear diagnostic LED, the status codes are listed on the cashbox and in Figure 2 below.

6. Check Operation, once the Green Arrows are flashing, insert bills to verify proper acceptance and credit.

Diagnostic LED	
# of LED Flashes	**Status**
Normal Pulse Rate 1 pulse per second	Ready
Fast Pulse Rate 3 pulses per second	Check Stacker/Cashbox
Not Lit	Check Power
Steady ON	Replace Acceptor
2 Flashes	Bill Inhibited
3 Flashes	Disabled by Host
4 Flashes	Clear Bill Path
5 Flashes	Clean Bill path

Maintenance

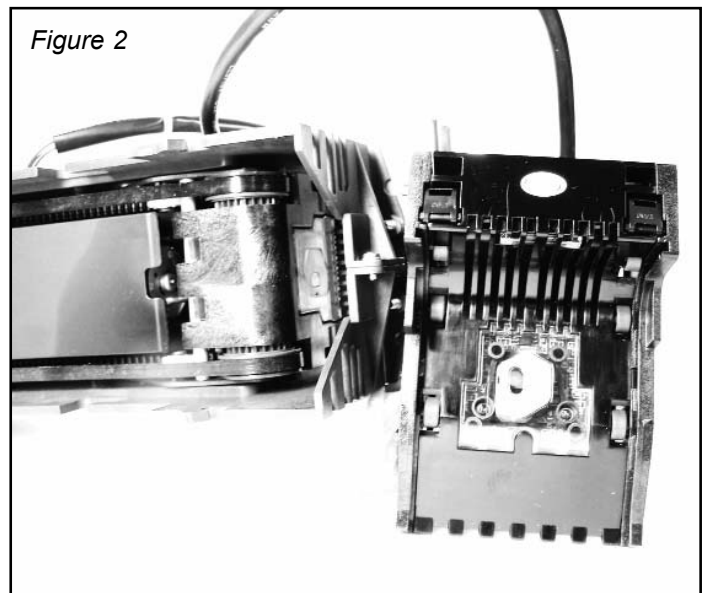### Recommended Cleaning Material:

A mild solution of detergent can be used for cleaning the belts, bill path and sensor lenses, as well as for general cleaning of the acceptor. Beverages or other water-soluble liquids which have been spilled on or into the acceptor can usually be removed with warm soapy water. External surfaces can be cleaned with a damp cloth.

Note: Petroleum-based cleaners and freon-based propellants can damage plastic and some electronic componenets. Scouring pads and stiff brushes may harm the circuit boards and can mar the plastic. These items should never be used when cleaning the bill acceptor.

Cleaning the Optical Sensor Lenses and Gray Scales

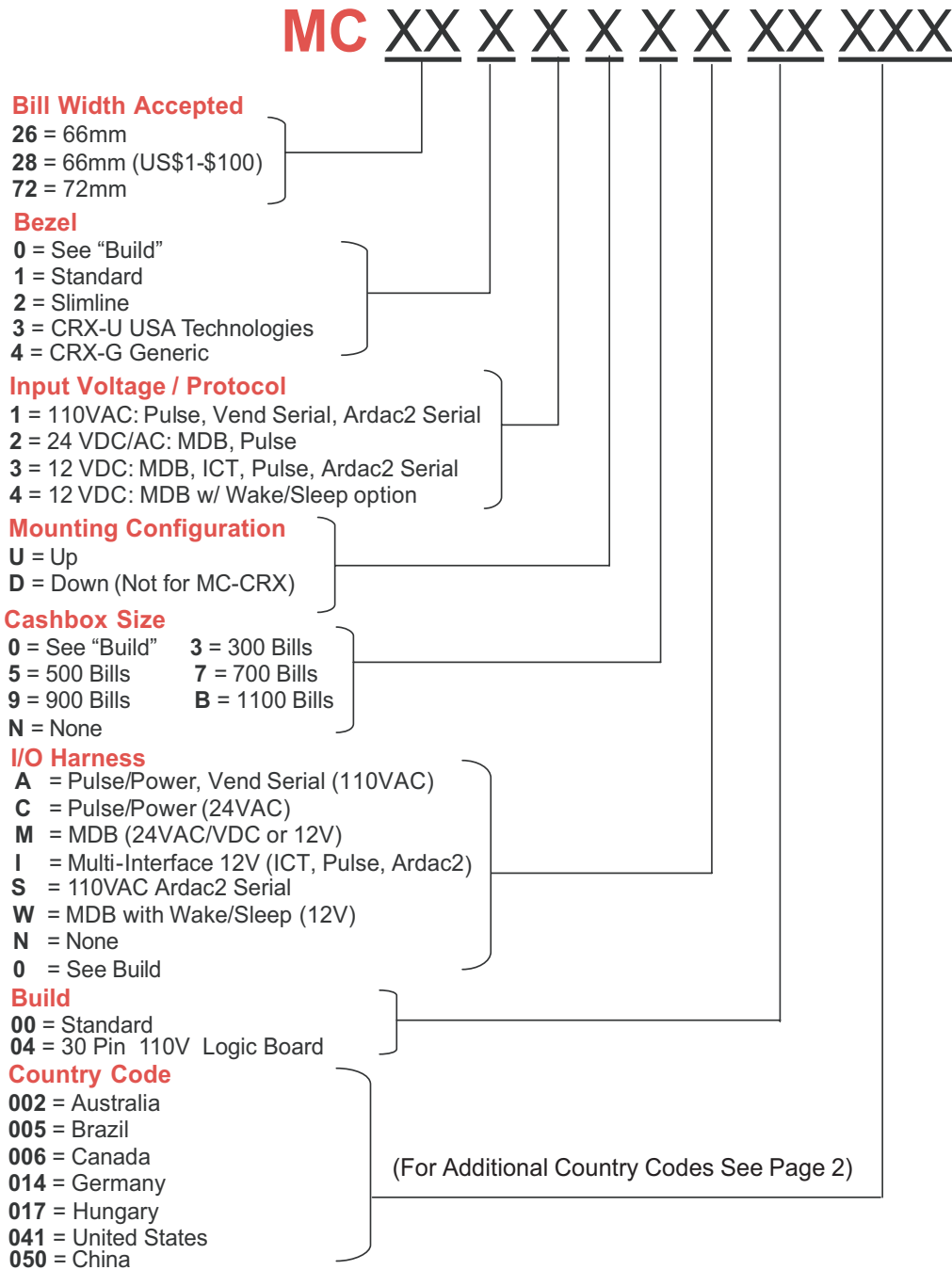*Warning: Remove power from the bill acceptor before opening the bill path.*

Remove the cash box and bottom sensor housing from the acceptor. To clean the optical sensor lenses and gray scales use a "Lint Free" cloth with a mild detergent. Repeat the cleaning process as needed until all the sensor surfaces are free of contaminants. Remember to clean both sensor lenses.
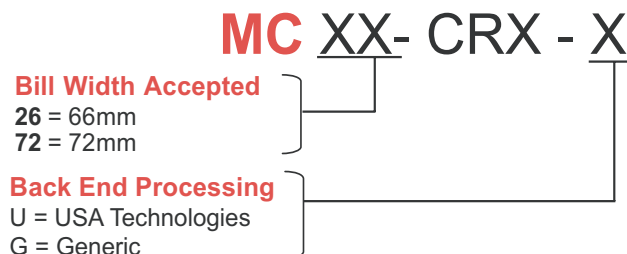

Figure 2

MC Series Model Naming Convention (Coinco Part #MC925926 Rev. 7)

MC XX X X X X X XX XXX

Bill Width Accepted
26 = 66mm
28 = 66mm (US$1-$100)
72 = 72mm

Bezel
0 = See "Build"
1 = Standard
2 = Slimline
3 = CRX-U USA Technologies
4 = CRX-G Generic

Input Voltage / Protocol
1 = 110VAC: Pulse, Vend Serial, Ardac2 Serial
2 = 24 VDC/AC: MDB, Pulse
3 = 12 VDC: MDB, ICT, Pulse, Ardac2 Serial
4 = 12 VDC: MDB w/ Wake/Sleep option

Mounting Configuration
U = Up
D = Down (Not for MC-CRX)

Cashbox Size
0 = See "Build"   **3** = 300 Bills
5 = 500 Bills   **7** = 700 Bills
9 = 900 Bills   **B** = 1100 Bills
N = None

I/O Harness
 A = Pulse/Power, Vend Serial (110VAC)
 C = Pulse/Power (24VAC)
 M = MDB (24VAC/VDC or 12V)
 I   = Multi-Interface 12V (ICT, Pulse, Ardac2)
 S = 110VAC Ardac2 Serial
 W = MDB with Wake/Sleep (12V)
 N = None
 0 = See Build

Build
00 = Standard
04 = 30 Pin 110V Logic Board

Country Code
002 = Australia
005 = Brazil
006 = Canada
014 = Germany
017 = Hungary
041 = United States
050 = China

(For Additional Country Codes See Page 2)

Retrofit Card Reader Only

MC XX- CRX - X

Bill Width Accepted
26 = 66mm
72 = 72mm

Back End Processing
U = USA Technologies
G = Generic

SECTION 4: COMPONENT EXPLANATION

Input Power Requirements

MCxxx1	120 VAC	90-135VAC @1.0A
MCxxx2	24VAC	20-32VAC @1.5A
MCxxx2	24VDC (MDB)	20-45VDC @1.5A
MCxxx3/MCxxx4	12VDC	10-14VDC @4A

Bill Acceptance:

US MC2600 66mm	$1	$5	$10	$20		
US MC2800 66mm	$1	$5	$10	$20	$50	$100
CANADA MC7200 72mm	$5	$10	$20	$50	$100	
EURO	€5	€10	€20			

Bezel Types
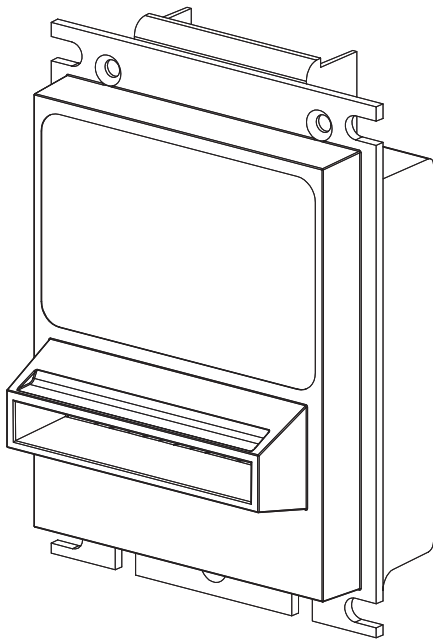
Slimline Bezel
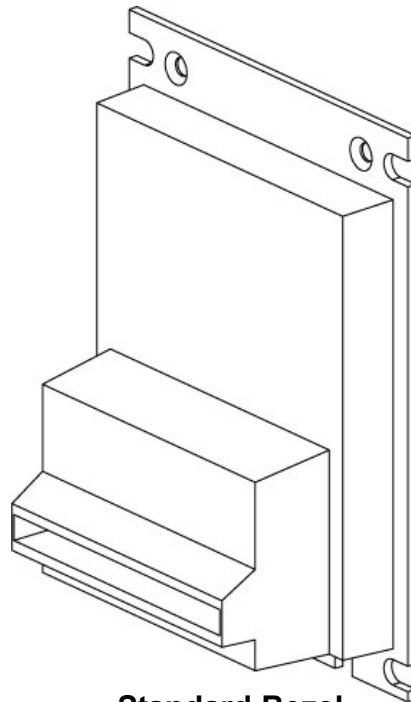
Standard Bezel

NOTE: Both bezels available in downstack configuration.

Red Release Latch for Cash Box
To remove: Upstacking
Push red latch on top
forward. Lift cashbox up and back.
To remove: Downstacking
Push red latch on bottom
forward. Pull cashbox down and back.

Cash Access Door
Lift door to remove
cash

Cash Box

Interface Connector

Red Release Latch for Bottom Sensor Plate. (Access Bill Path)
To remove: Upstacking
Push red latch down and
pull straight back
To remove: Downstacking
Push red latch up and
pull straight back

Standard Bezel

Diagnostic LED

Removable Bottom Sensor Plate

Bottom Sensor Housing

Metal Mounting Plate
must be connected to
earth ground.

Bill Entrance

SECTION 4: COMPONENT EXPLANATION

	US Dip Switch ON/OFF (MC2600)	US Dip Switch ON/OFF (MC2800)	Canada Dip Switch ON/OFF (MC7200)	Euro Dip Switch ON/OFF
Switch 1	$1 enable/disable	$10 enable/disable	$10 enable/disable	€5 enable/disable
Switch 2	$5 enable/disable	$20 enable/disable	$20 enable/disable	€10 enable/disable
Switch 3	$10 enable/disable	$50 enable/disable	$50 enable/disable	€20 enable/disable
Switch 4	$20 enable/disable	$100 enable/disable	$100 enable/disable	RESERVED
Switch 5	4 Pulse/1 Pulse per $	4 Pulse/1 Pulse per $	4 Pulse/ Pulse per $	RESERVED
Switch 6	Always/Harness enabled	Always/Harness enabled	Always/Harness enabled	RESERVED
Switch 7	Short Pulse/Long Pulse	Short Pulse/Long Pulse	Short Pulse/Long Pulse	RESERVED
Switch 8	Coupon enable/disable	Coupon enable/disable	Coupon enable/disable	RESERVED

MC2600/MC2800 with Slimline Bezel

1. All dimensions shown are for reference purposes and are subject to manufacturing and assembly tolerances.
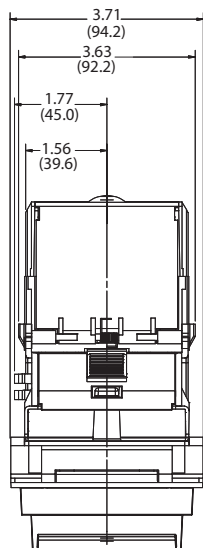
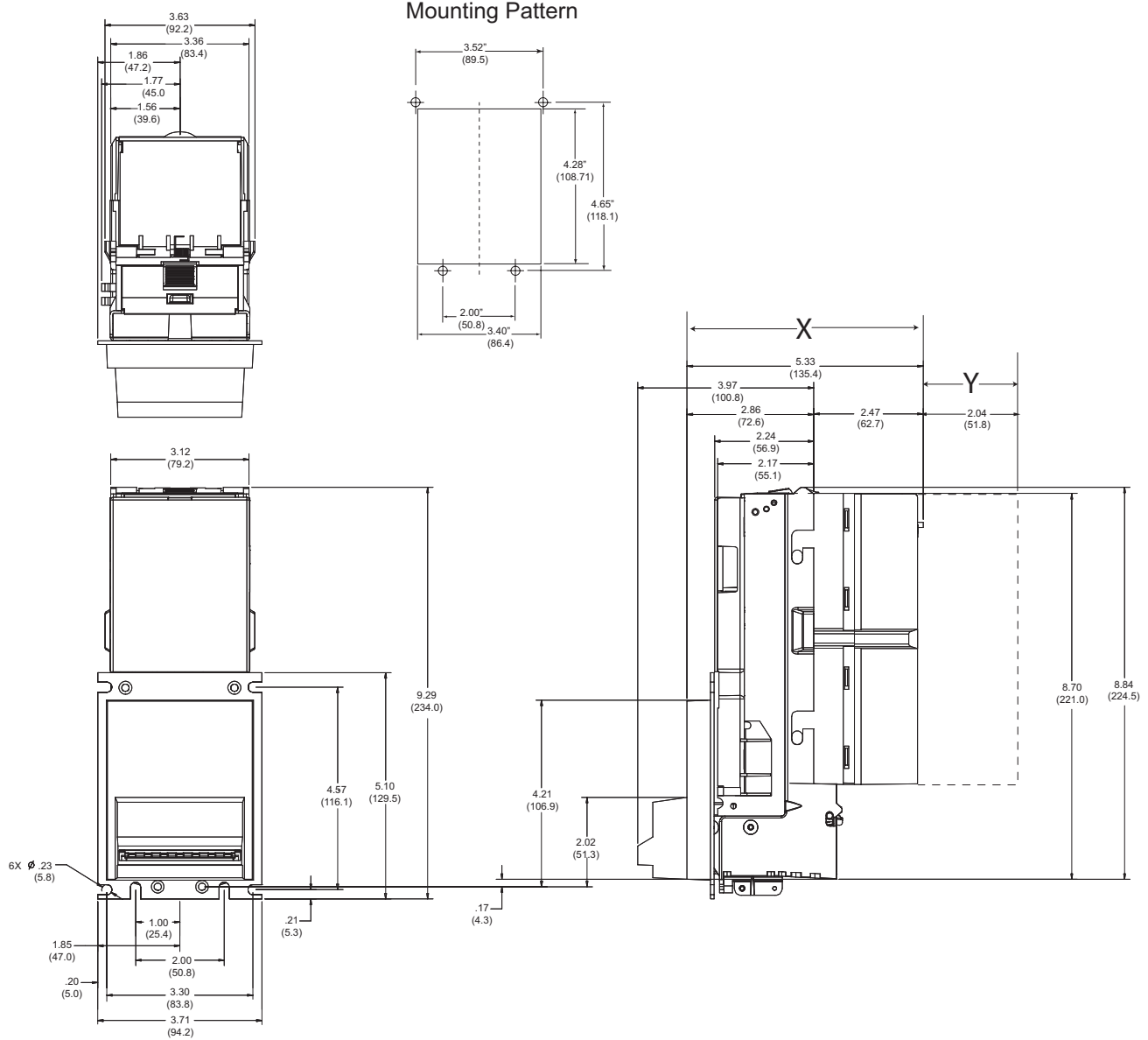2. All dimensions shown are in inches/millimeters

Mounting Pattern
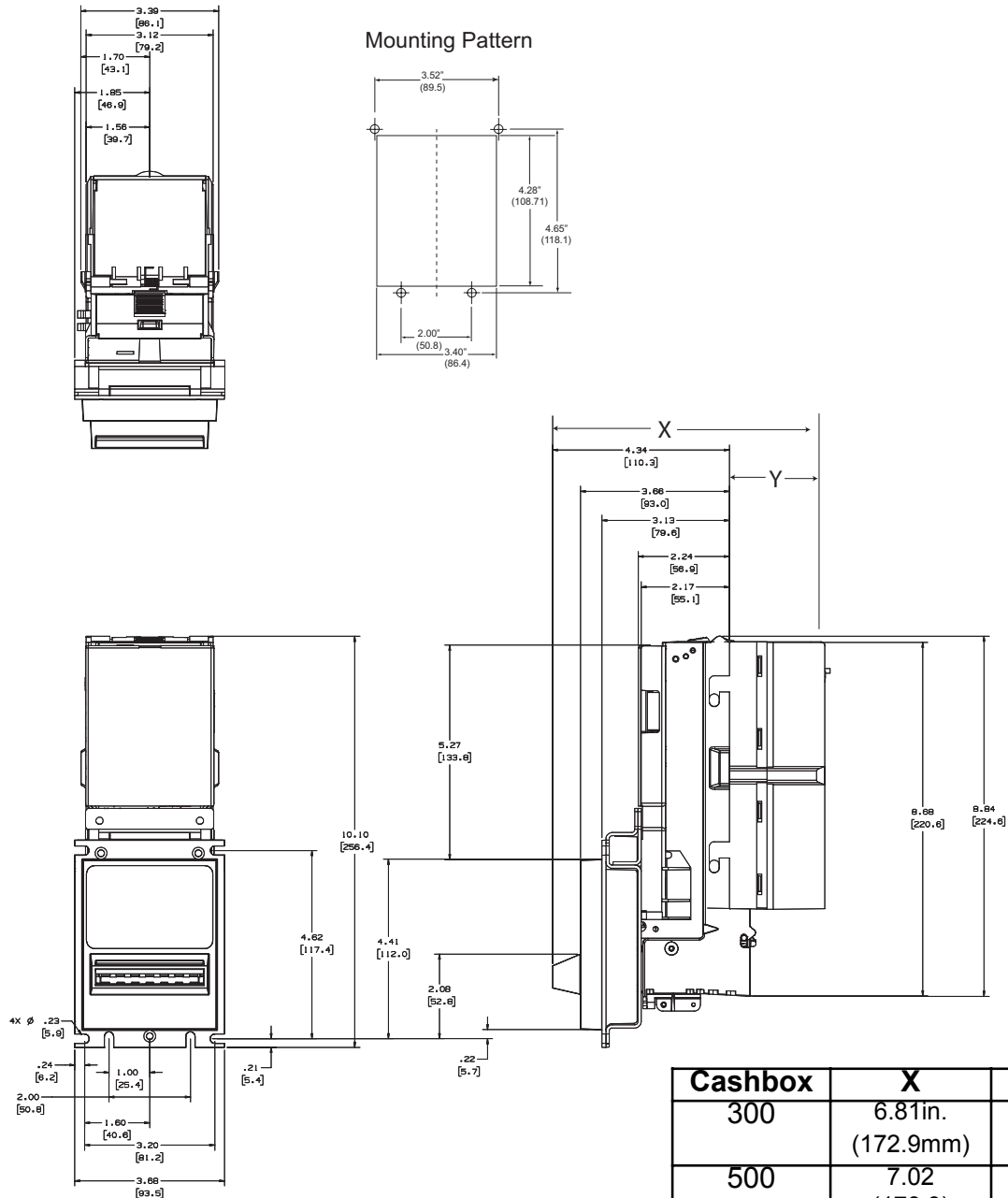
Cashbox	X	Y
300	6.81in. (172.9mm)	2.47in. (62.7mm)
500	7.02 (178.3)	2.67 (67.8)
700	8.06 (204.7)	3.72 (94.5)
900	9.10 (231.1)	4.76 (120.9)
1100	10.14 (257.6)	5.80 (147.3)

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SECTION 4: COMPONENT EXPLANATION

MC2600/MC2800 w/ Standard Bezel

1. All dimensions shown are for reference purposes and are subject to manufacturing and assembly tolerances.
2. All dimensions shown are in inches/millimeters

Mounting Pattern
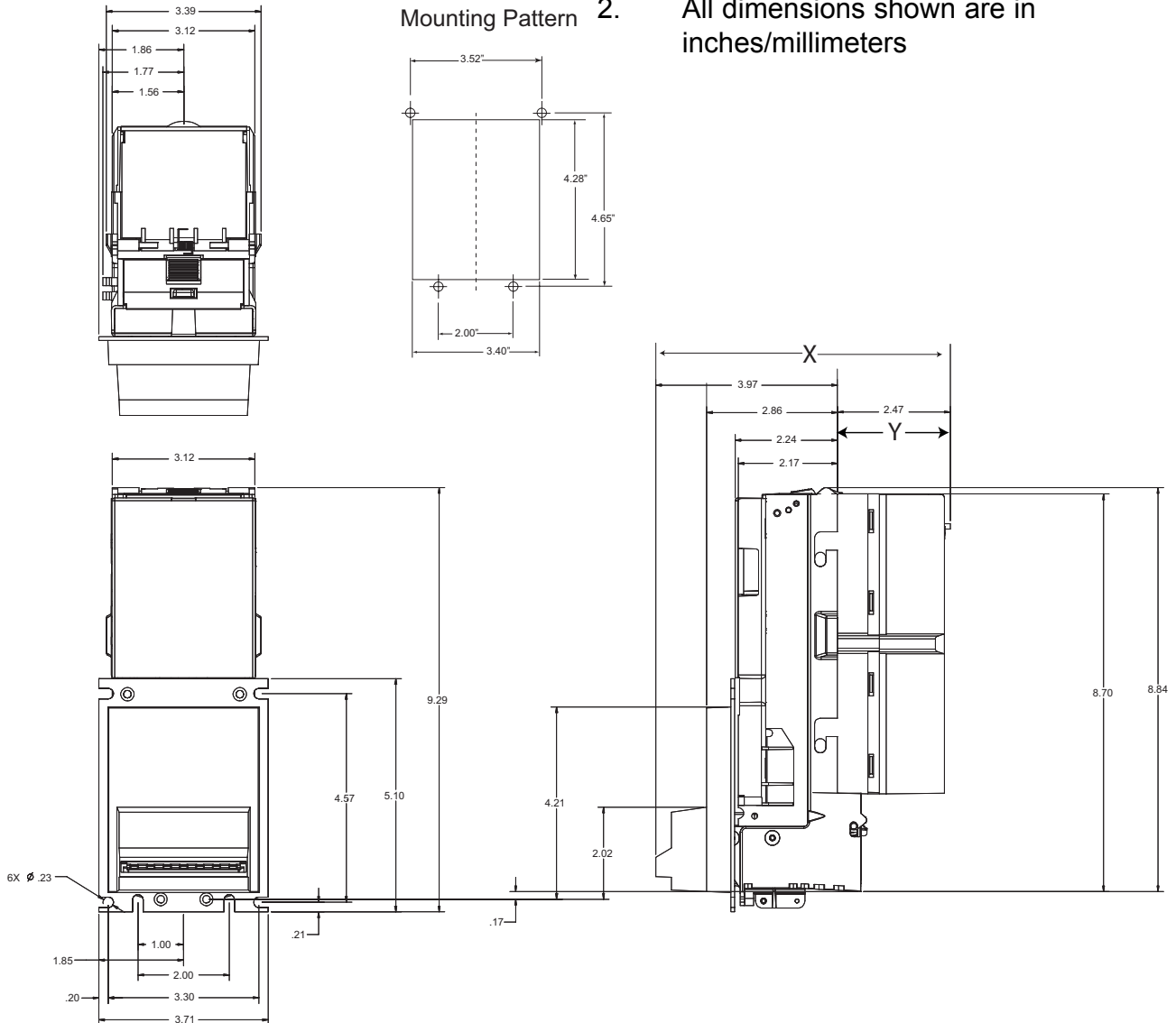
Cashbox	X	Y
300	5.33in. (135.4mm)	2.47in. (62.7mm)
500	5.54 (140.1)	2.68 (72.6)
700	6.58 (167.1)	3.72 (94.5)
900	7.62 (193.5)	4.76 (120.9)
1100	8.66 (220)	5.80 (147.3)

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MC7200 with Slimline Bezel

1. All dims shown are for reference purposes and are subject to manufacturing and assembly tolerances.
2. All dimensions shown are in inches/millimeters

Mounting Pattern
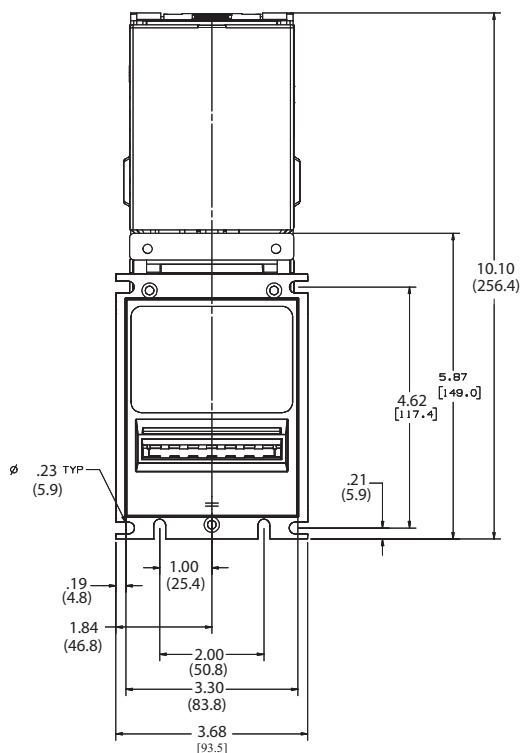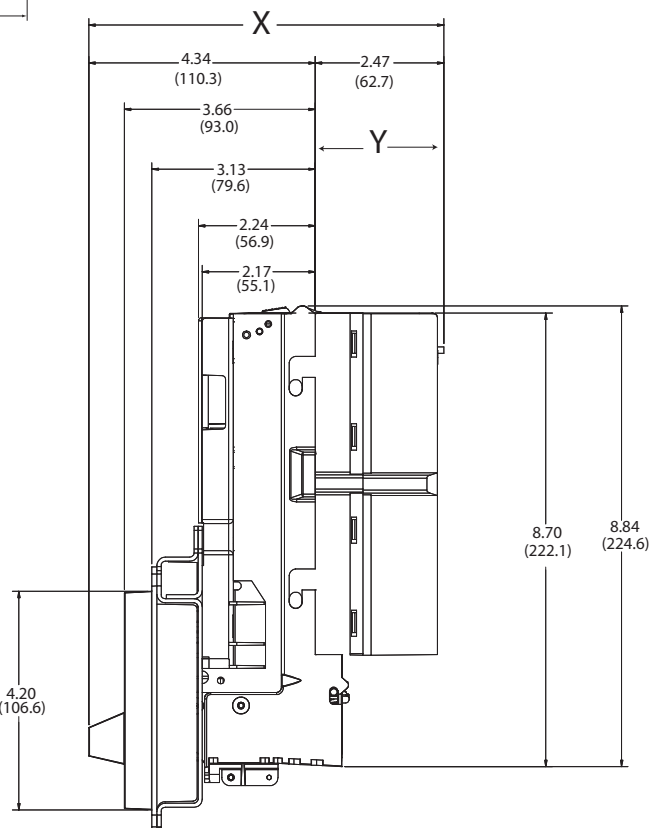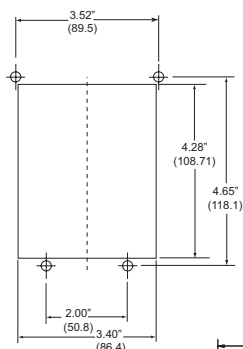
Cashbox	X	Y
300	6.81in. (172.9mm)	2.47in. (62.7mm)
500	7.02 (178.3)	2.68 (68.1)

MC7200 with Standard Bezel

1. All dims shown are for reference purposes and are subject to manufacturing and assembly tolerances.
2. All dimensions shown are in inches/millimeters

Mounting Pattern

3.63 (92.2)
3.36 (83.4)
1.86 (47.2)
1.77 (45.0)
1.56 (39.6)

3.52" (89.5)
4.28" (108.71)
4.65" (118.1)
2.00" (50.8)
3.40" (86.4)

3.12 (79.2)

X
5.33 (135.4)
3.97 (100.8)
2.86 (72.6)
2.24 (56.9)
2.17 (55.1)
2.47 (62.7)
Y
2.04 (51.8)

9.29 (234.0)

8.70 (221.0)
8.84 (224.5)

4.57 (116.1)
5.10 (129.5)

4.21 (106.9)

2.02 (51.3)

6X Ø .23 (5.8)

.21 (5.3)
.17 (4.3)

1.00 (25.4)
1.85 (47.0)
2.00 (50.8)
.20 (5.0)
3.30 (83.8)
3.71 (94.2)

Cashbox	X	Y
300	5.33 in. (135.4 mm)	2.47 in. (62.7 mm)
500	5.54 (140.7)	2.68 (68.1)

30 Pin Mating Connector

Receptacle Housing: AMP 1-104482-3
Receptacle Pins: AMP 104479-2
Receptacle Polarizing Pins: AMP 87077-2

Pin	MCxxx1 110VAC	MCxxx2 24VAC
1	CREDIT_RELAY_COMMON	CREDIT_RELAY_COMMON
2	NOT USED	CREDIT_RELAY_NO
3	NEUTRAL_ENABLE	24VAC_HOT
4	110VAC_NEUTRAL	HOT_ENABLE
5	NEUTRAL_INHIBIT	KEY
6	KEY	MDB_MASTER_RX
7	TX_232	TX_232
8	INTERRUPT	INTERRUPT
9	CCTALK	CCTALK
10	SIGNAL_GROUND	SIGNAL_GROUND
11	DATA	DATA
12	ESCROW_HIGH	ESCROW_HIGH
13	232_EN/CCTALK_EN	232_EN/CCTALK_EN
14	NOT USED	MDB_MASTER_TX
15	ACCEPT_ENABLE_HIGH	ACCEPT_ENABLE_HIGH
16	CREDIT_RELAY_NO	DC_RETURN
17	NOT USED	NEUTRAL_INHIBIT
18	HOT_ENABLE	NEUTRAL_ENABLE
19	KEY	NOT USED
20	110VAC_HOT	24VAC_NEUTRAL
21	EARTH_GROUND	KEY
22	OUT_OF_SERV	OUT_OF_SERV
23	NOT USED	MDB_34VDC
24	ACCEPT_ENABLE	ACCEPT_ENABLE
25	OUT_OF_SERV_POWER	OUT_OF_SERV_POWER
26	SEND	SEND
27	ACCEPT_ENABLE_LOW	ACCEPT_ENABLE_LOW
28	NOT USED	MDB_SIGNAL_COM
29	RX_232	RX_232
30	ESCROW_LOW	ESCROW_LOW

18 Pin Mating Connector

Housing with Contacts: AMP 102398-7
Latching Front Cover: AMP 102681-4
Latching Back Cover: AMP 102536-7

Pin	MCxxx1 110VAC
1	CREDIT_RELAY_NO
2	INTERRUPT
3	CREDIT_RELAY_COMMON
4	SIGNAL_GROUND
5	SERIAL_DATA
6	ESCROW_HIGH
7	ARDAC2_ENA
8	NOT USED
9	NOT USED
10	OUT_OF_SERV
11	RX_232
12	ACCEPT_ENABLE
13	OUT_OF_SERV_POWER
14	SEND
15	TX_232
16	ACCEPT_ENABLE_LOW
17	ACCEPT_ENABLE_HIGH
18	ESCROW_LOW

6 Pin Mating Connector

Polarized Housing: AMP 87631-1 or 2-87977-8
Contact: AMP 85969-9 or 86016-3

Pin	110 VAC Power
1	CREDIT_RELAY_NO
2	INTERRUPT
3	CREDIT_RELAY_COMMON
4	SIGNAL_GROUND
5	SERIAL_DATA
6	ESCROW_HIGH

16 Pin Mating Connector

Polarized Receptacle Housing: VENSIK 5000 PAI-2x08
Receptacle Pins: VENSIK 4000-T-PS-T

Pin	MCxxx3 12V Multi-Interface	MCxxx4 12V Wake/Sleep
1	CREDIT_RELAY_NO	NOT USED
2	12VDC	12VDC
3	CREDIT_RELAY_COMMON	NOT USED
4	DC_RETURN	DC_RETURN
5	SIGNAL_GROUND	SIGNAL_GROUND
6	CC_TALK	NOT USED
7	232_EN/CCTALK_EN	NOT USED
8	MDB_COM	MDB_COM
9	MDB_MASTER_TX	MDB_MASTER_TX
10	MDB_MASTER_RX	MDB_MASTER_RX
11	RX_232	NOT USED
12	ESCROW_LOW	NOT USED
13	ESCROW_HIGH	NOT USED
14	TX_232	NOT USED
15	ACCEPT_ENABLE_HIGH	NOT USED
16	ACCEPT_ENABLE_LOW	NOT USED

SECTION 5: DISASSEMBLY

Tools needed:

#2 Phillips head screwdriver
Flat head screwdriver
3/16" nut driver
1/8" nut driver
9 volt battery and battery connector harness

Remove Cashbox Assembly

1. Slide red button located on the top of the unit forward. Lift up and pull back on cashbox assembly. (Figure 3)
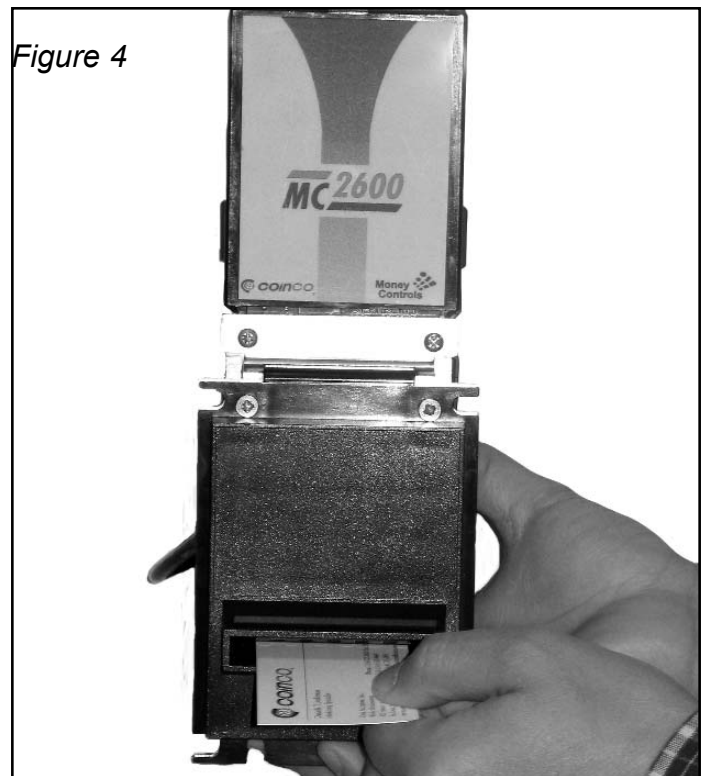

Figure 3

SECTION 5: DISASSEMBLY

Removing motors from stacking assembly

1. Apply power, insert business card into bill inlet until stacker plate extends to fullest height. Remove power. (Figure 4)

Figure 4

Removing the Bezel

Using a Phillips screwdriver, remove the screws that secure the bezel and frame to the chassis assembly. (Figure 5)

• Slimline Bezel - 3 screws, 3 nuts
• Standard Bezel - 4 screws
• Slimline Frame - 4 screws

Disconnect ground wire from metal frame.

Figure 5
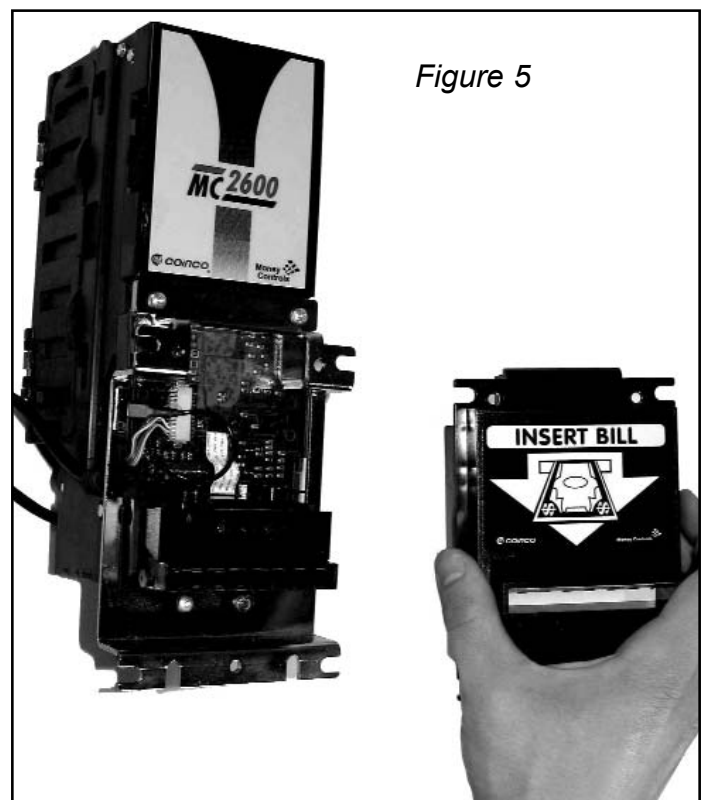
SECTION 5: DISASSEMBLY

IMPORTANT

Note the plastic shield that appears on the metal. (See Fig. 6--Slimline example)

When re-attaching, make sure the clear plastic shield is against the PC board to prevent shorting the microboard.

plastic shield
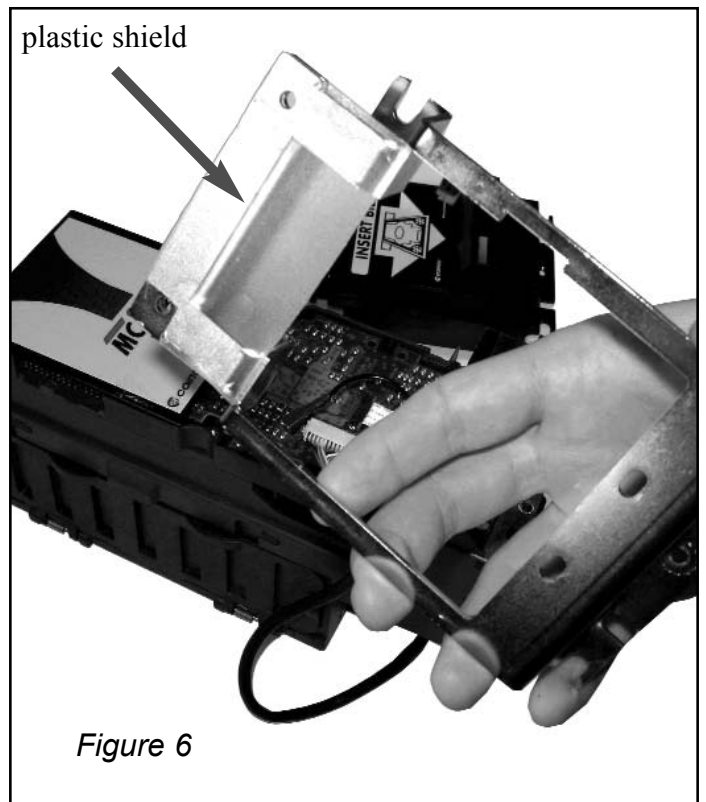
Figure 6

Removing the Front Cover

To remove front cover to expose the microboard, push down the snap located on the top of the unit. (Figure 8)

Pull the front cover forward.

Note--Removing the front cover will void the warranty.

Figure 8

16
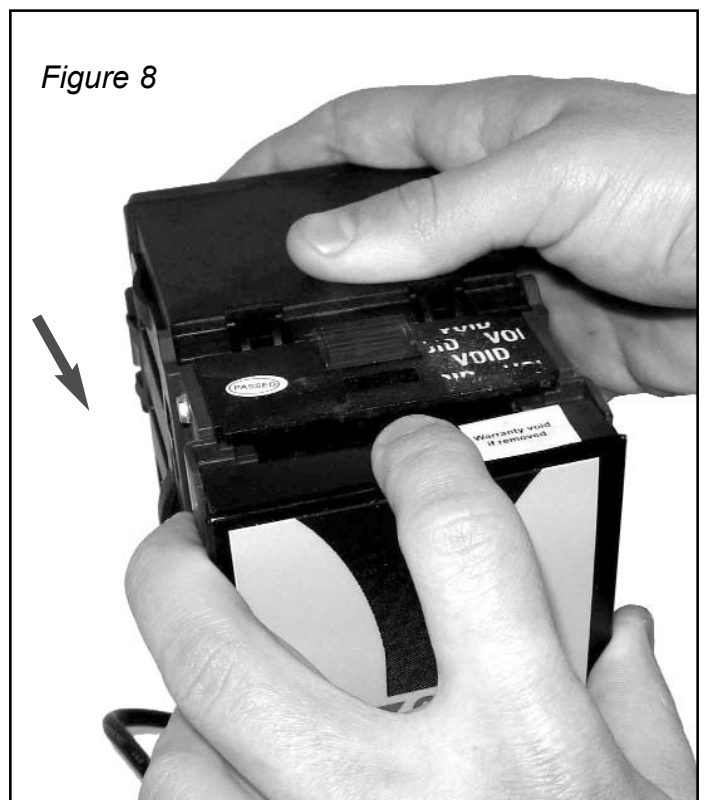
SECTION 5: DISASSEMBLY

Removing Harnesses from the microboard from Bottom sensor assembly (Figure 9)

1. Unplug Bottom Sensor Assembly harness from Microboard.

2. Release harness from chassis clamps on the side.
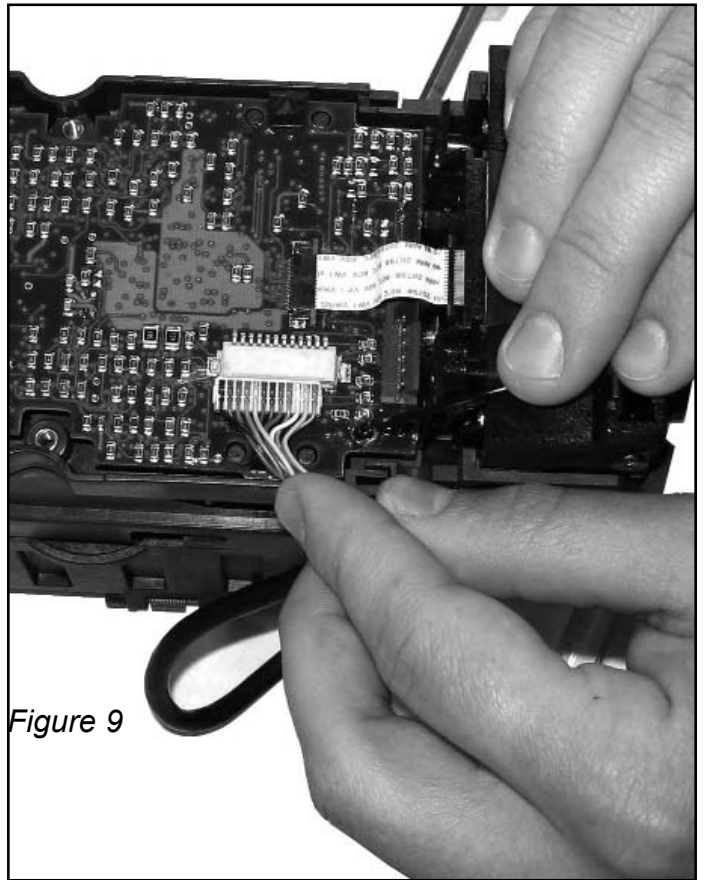
Figure 9

Remove Bottom Sensor Assembly

1. At bottom rear of unit, push down on red tab and slide out bottom sensor assembly. (Figure 10)
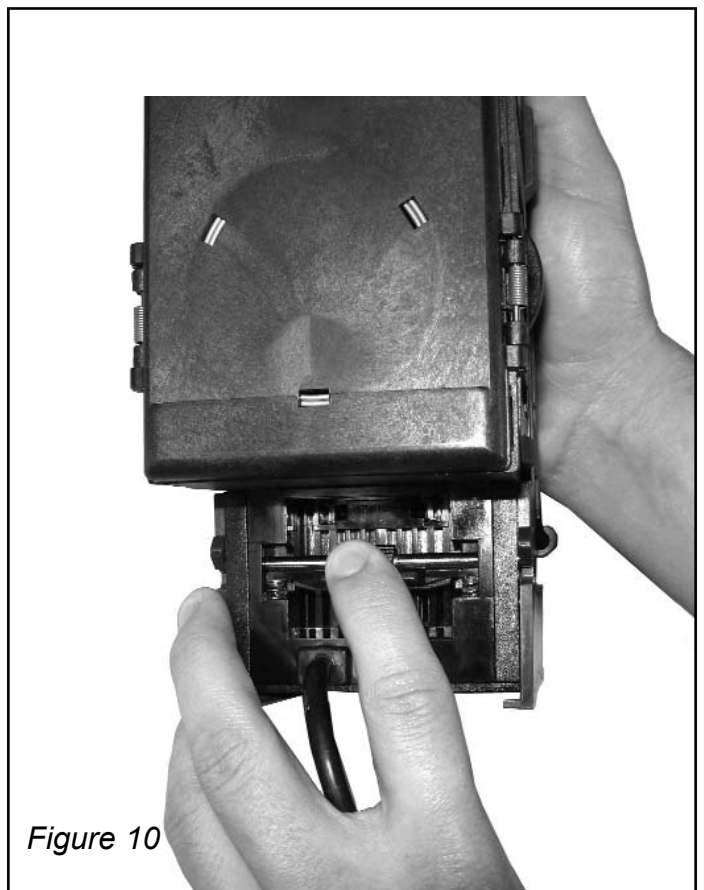
Figure 10

SECTION 5: DISASSEMBLY

Remove Bottom Sensor Assembly

1. At the bottom and rear of unit, push down on red tab and pull out bottom sensor assembly. (Figure 11)
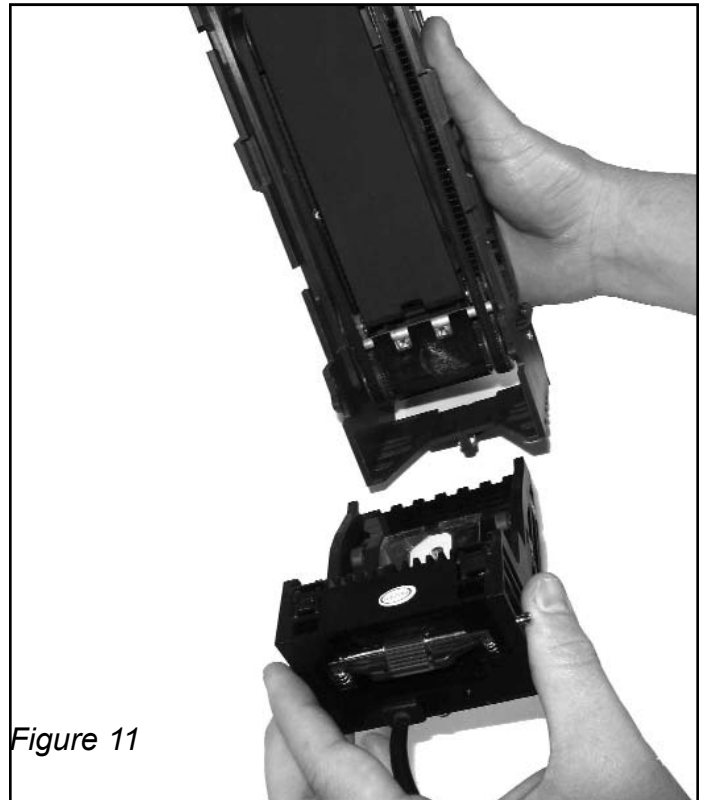
Figure 11

Removing Microboard (Figure 12)

1. Remove ribbon cable by sliding the plastic connectors to the open position.

2. Gently pull ribbon cable from microboard connector.

Figure 12

Figure 13--Plastic Connectors in closed
position.

Closed Position

Figure 13

Figure 14--Plastic connectors in open position
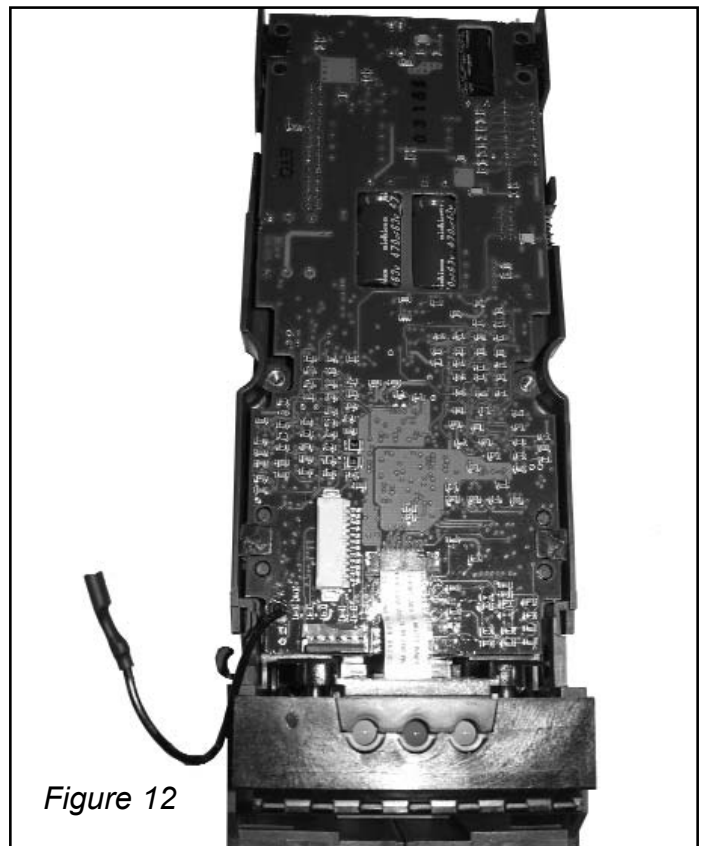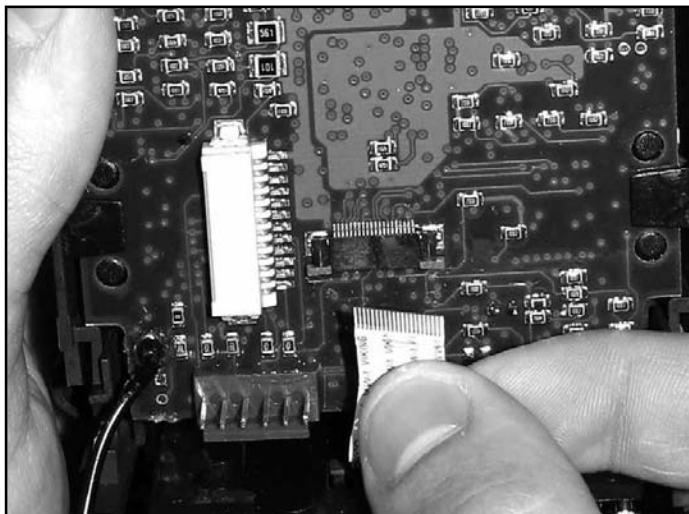
Open Position
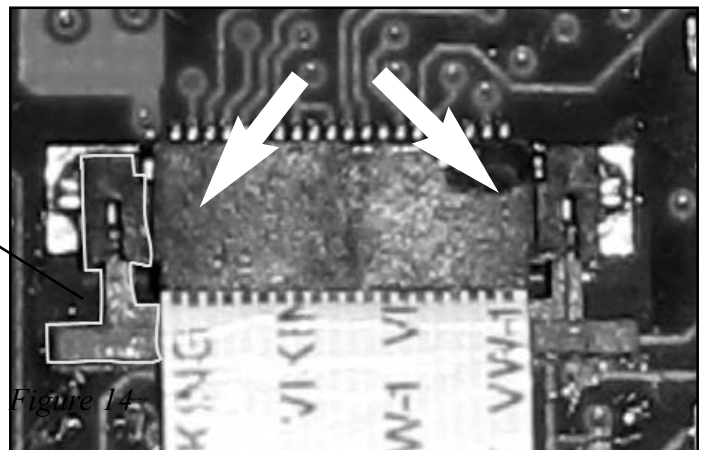
Figure 14

SECTION 5: DISASSEMBLY

Figure 15--Using a small flathead screwdriver, carefully pry the board out at the four corners indicated.
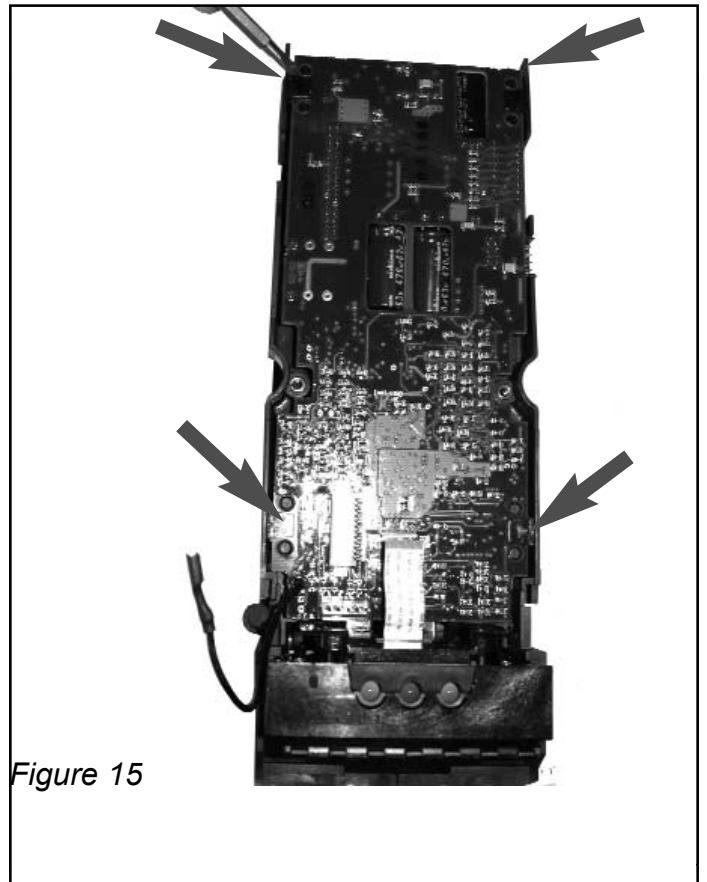
Figure 15

Figure 16

Blue/White

Figure 16-- Note the attached motor connection wires.

Unplug the stacker motor (white & red) wires and transport motor (white & blue) wires from the microboard.
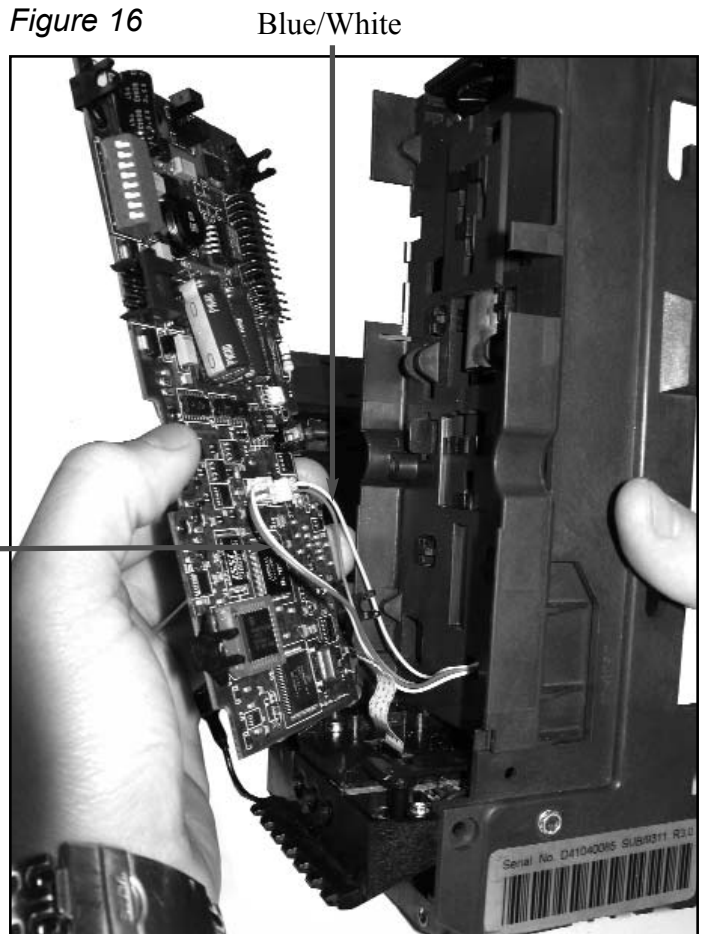
Red/White

SECTION 5: DISASSEMBLY

Removing Drive and Stacker Chassis Assembly

1. Make sure stacker plate is fully receded into unit.

2. Using phillips screw driver, remove one nut from left and right side of the housing as shown. (Figure 17)
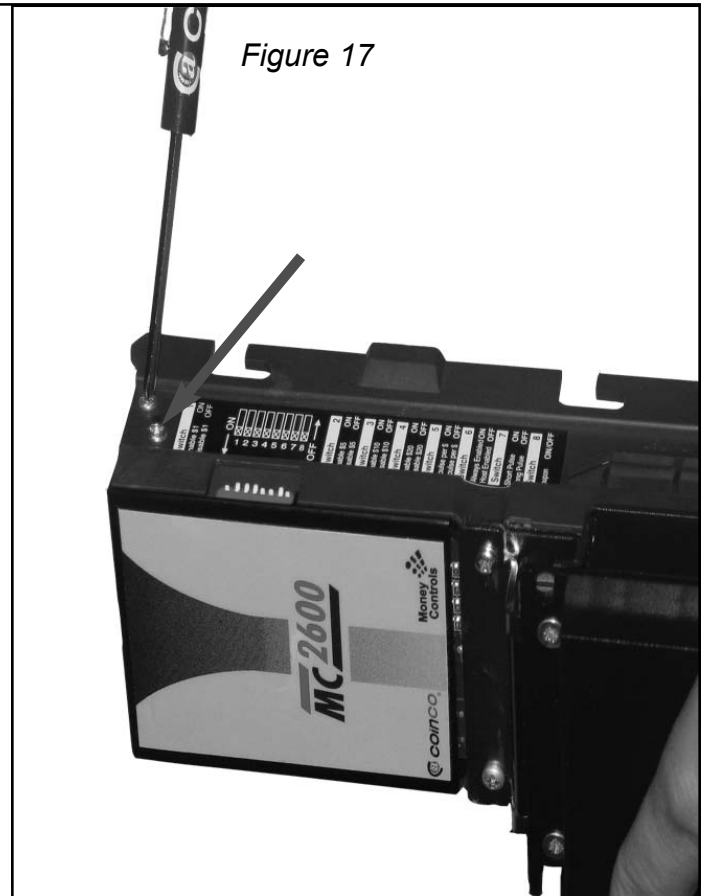
Figure 17

3. Pull Drive and Stacker Chassis foward to lift out of housing. (Figure 18)
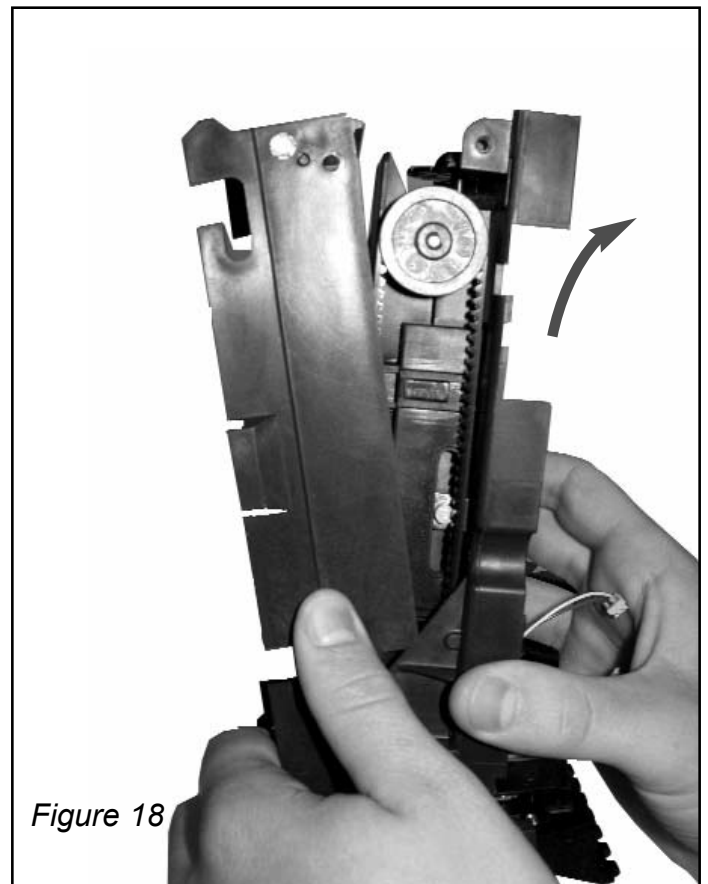
Figure 18

SECTION 5: DISASSEMBLY

Removing Top Sensor Assembly from housing.

1. Using 3/16" nut driver, unscrew bolts from both sides of housing. (Figure 19)

2. Push down Top Sensor Assembly until assembly clears the side housing notches. Pull assembly straight forward.
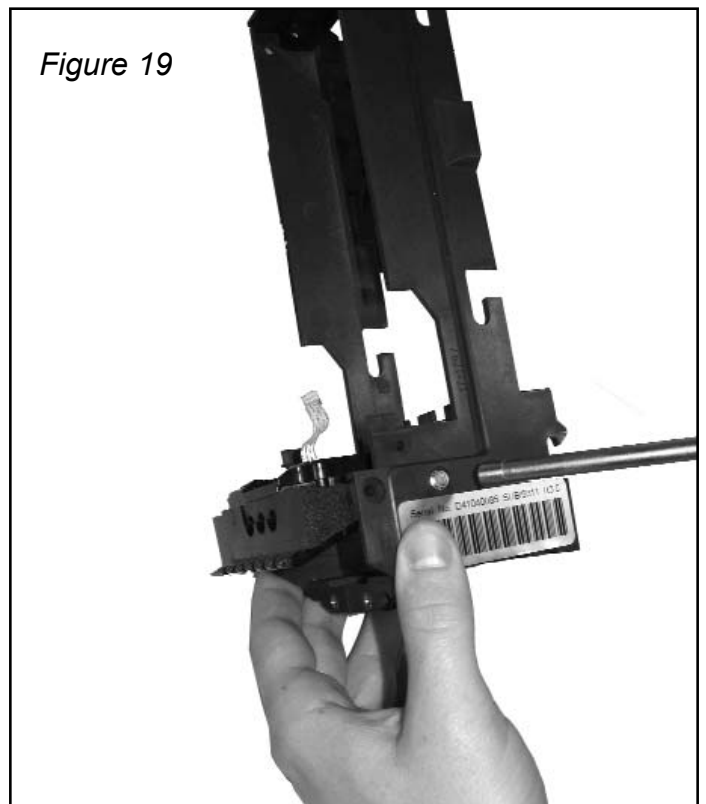
Figure 19

Removing Stacker Plate

1. Look for plastic tab on one side of the assembly. This indicates the correct side to begin stacker plate removal. (Figure 20)
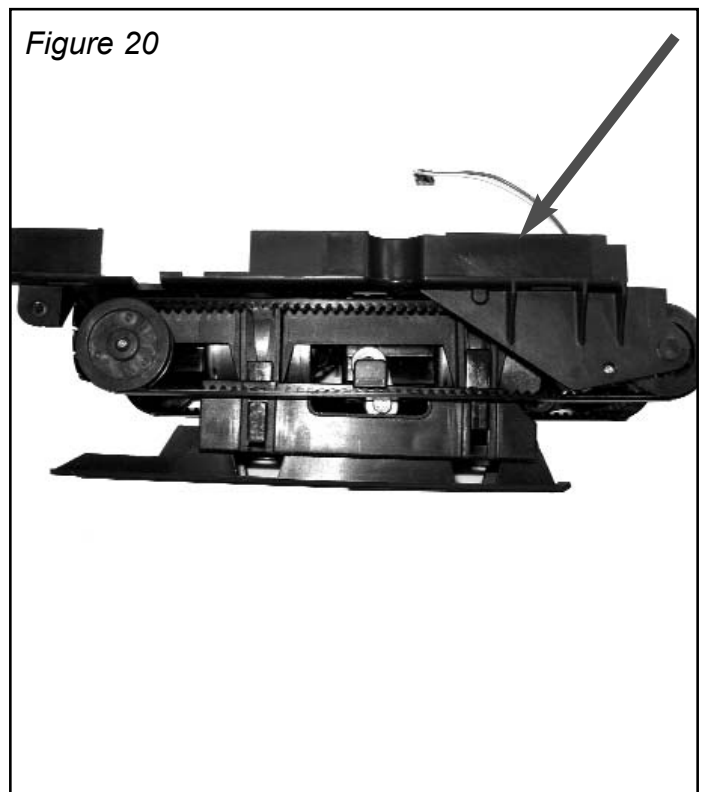
Figure 20

SECTION 5: DISASSEMBLY

Do not pull or push the plastic tab, which will break it. (Figure 21)

2. Pull out this side of the stacking plate, clearing the cam. Then remove plate (Figure 22)

Figure 21
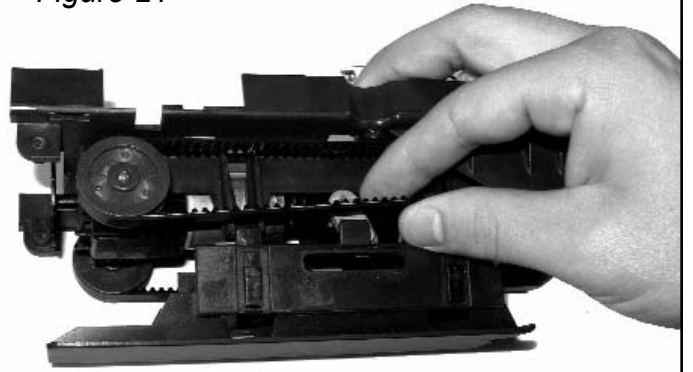
Figure 22
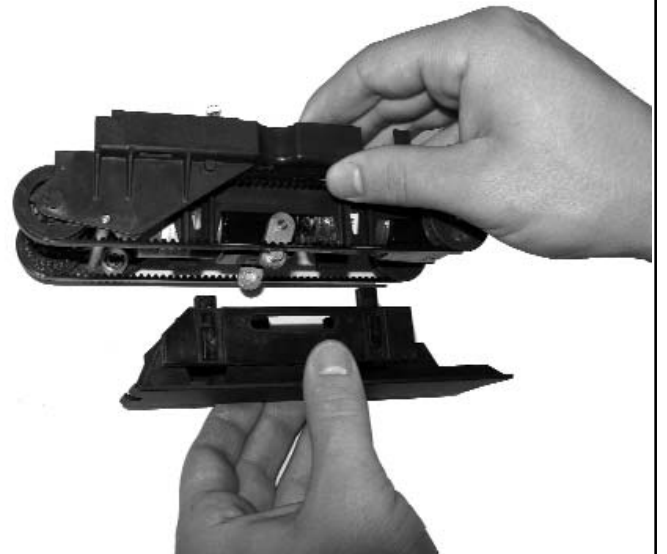
SECTION 5: DISASSEMBLY

To Remove Belts

1. Squeeze stacker motor spring (Figure 23) to clear stacker motor gearbox snap fits on reverse side (Figure 21).
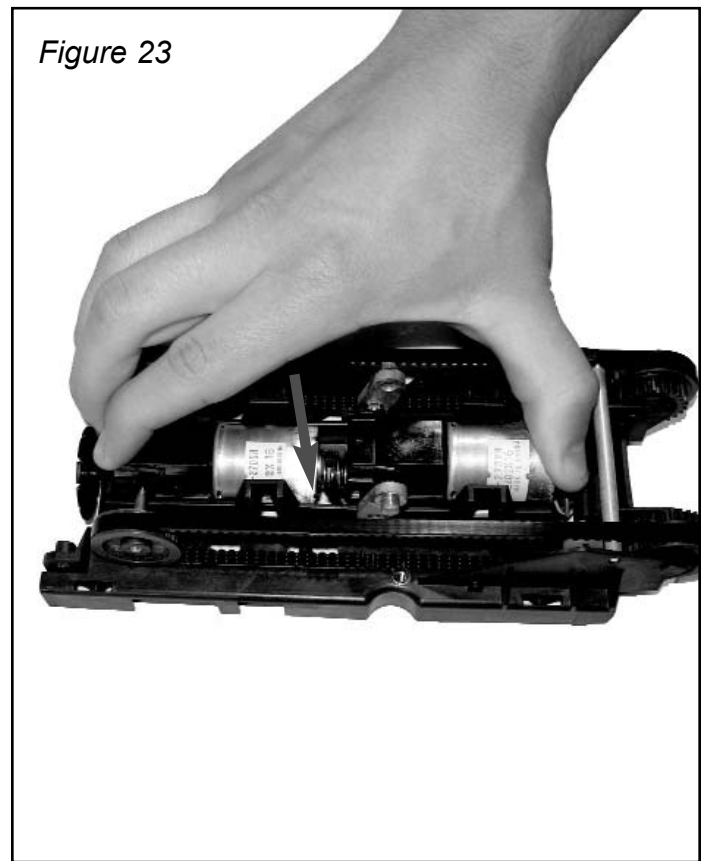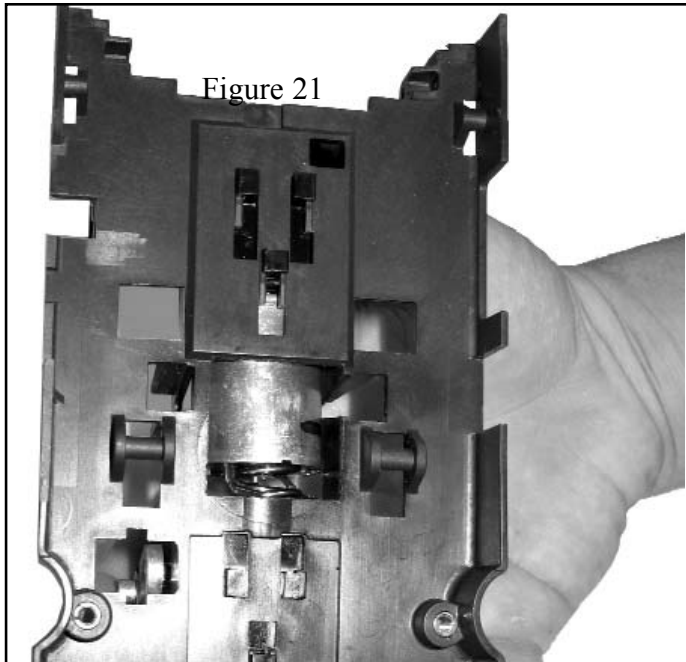
Figure 21

Figure 23

1. Remove belts from transport gears. (Figure 24)
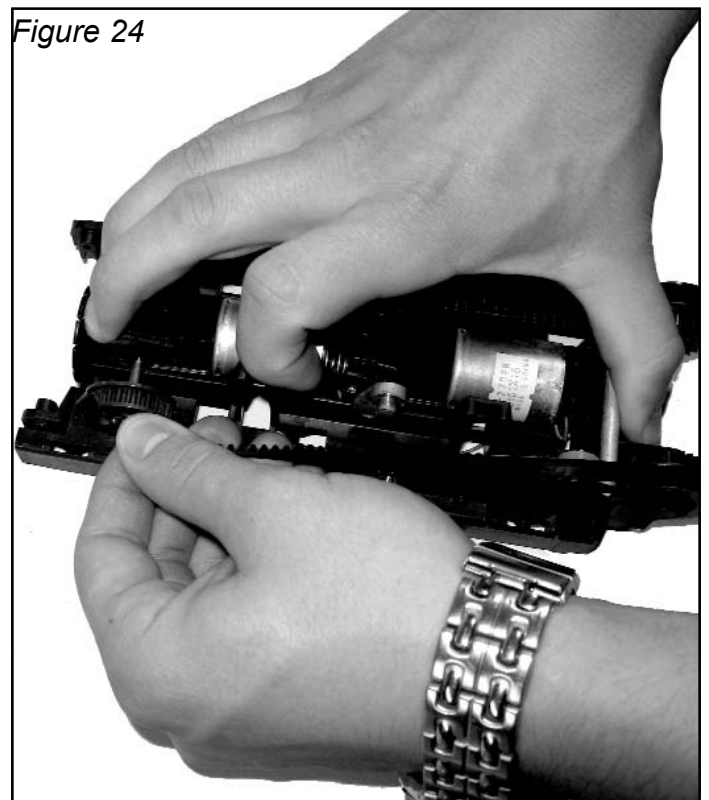
Figure 24

Removing Belts

2. Use screwdriver to push out retaining pin and remove belts. (Figure 25)
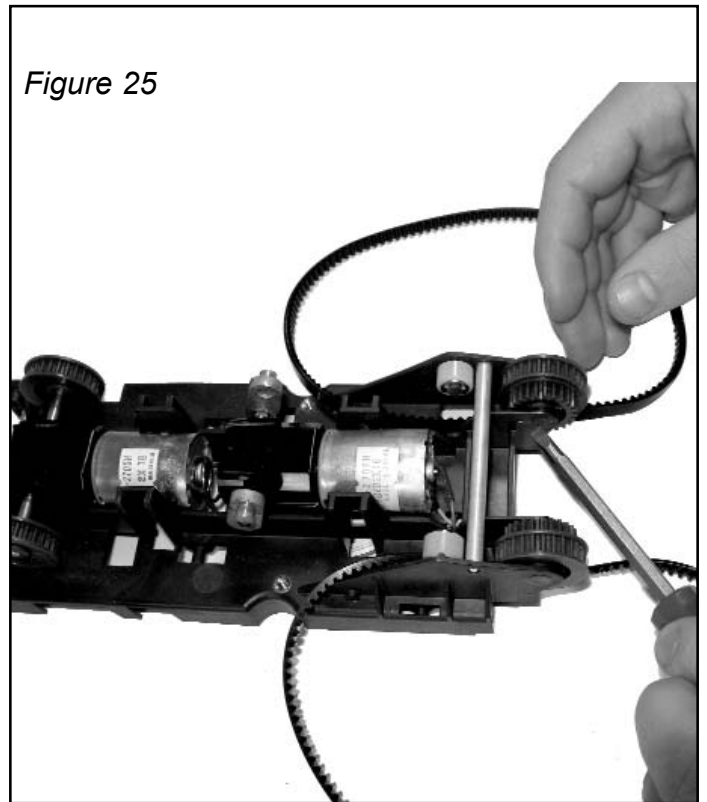
Figure 25

Retaining pin removed (Figure 26)

Belts fully removed from unit.

Figure 26

Encoder Wheel   Transport Motor   Stacker Motor
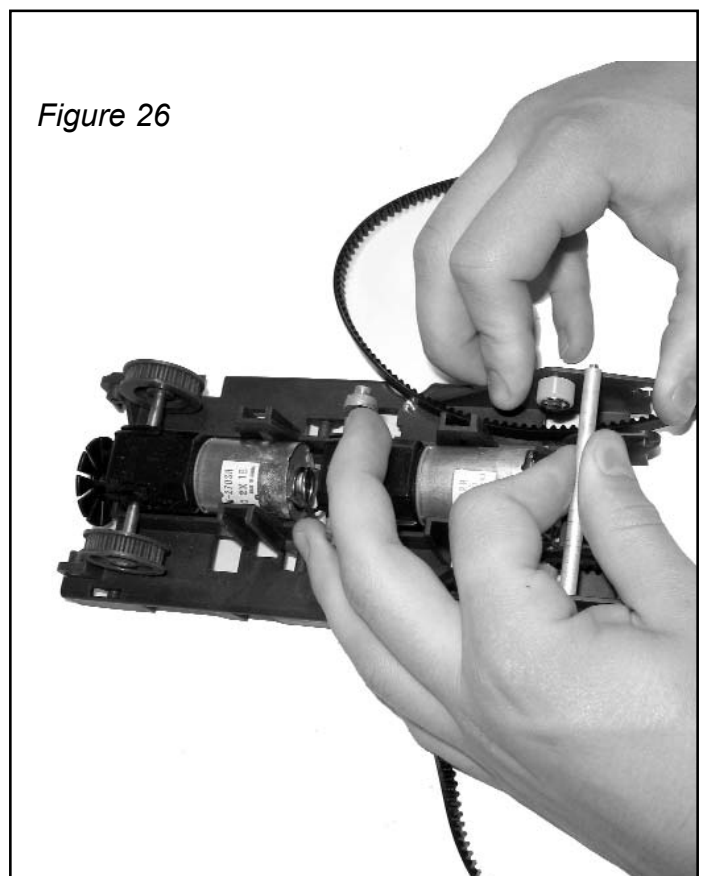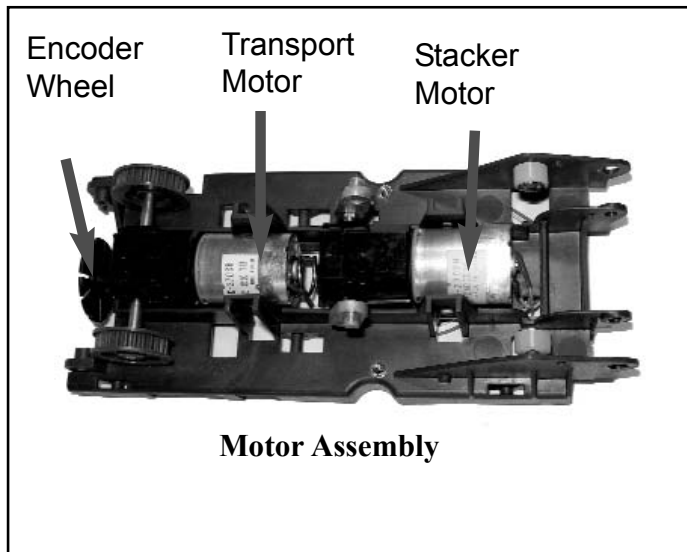
Motor Assembly

SECTION 5: DISASSEMBLY

Remove encoder wheel

1. Using flat head screwdriver, pry encoder wheel from base of transport motor gearbox.
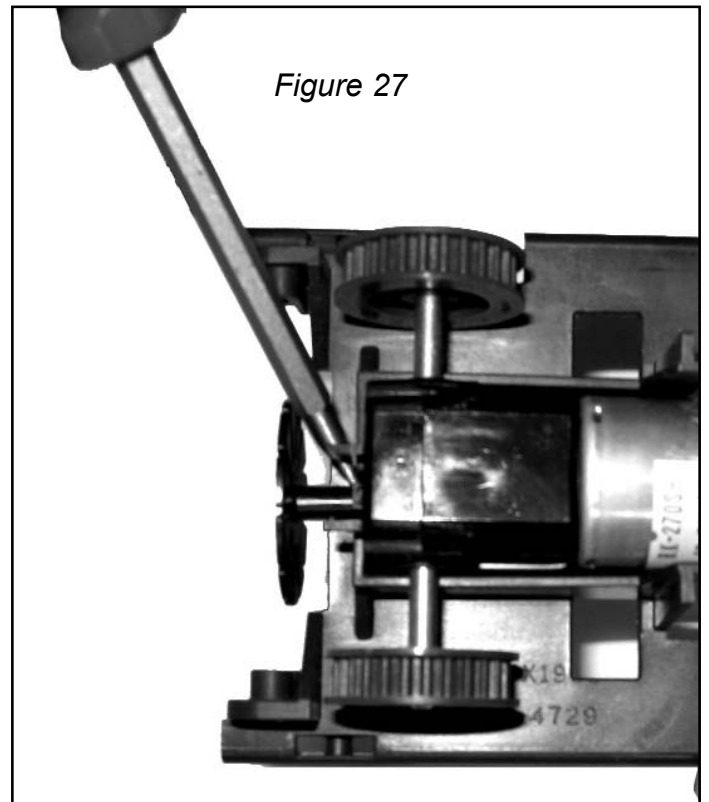
Figure 27

Encoder wheel removed.
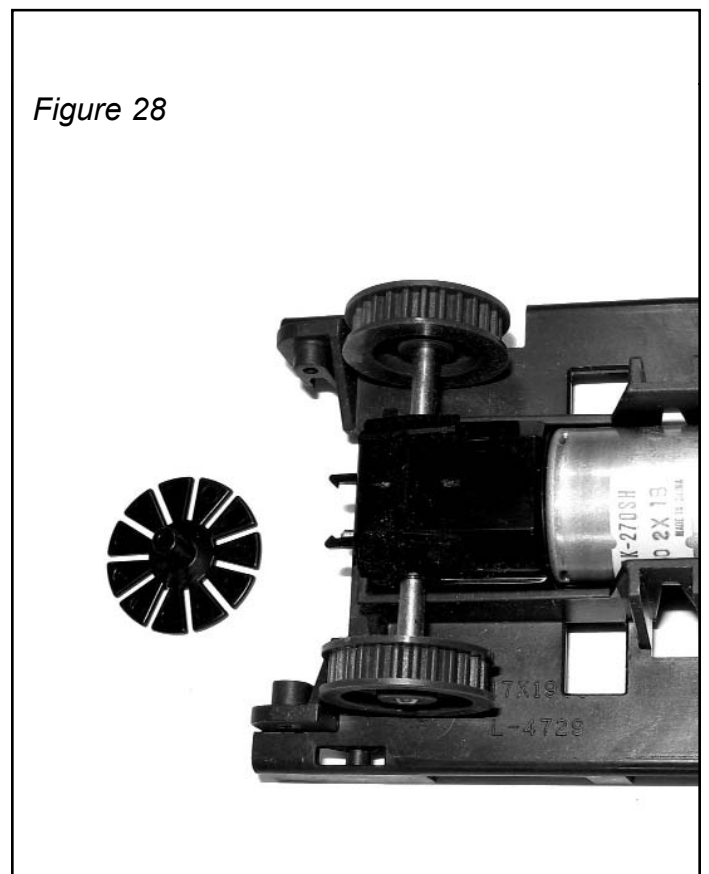
Figure 28

SECTION 5: DISASSEMBLY

Removing motors

1. Push stacker motor in to clear reverse side snap fit notches and lift out.
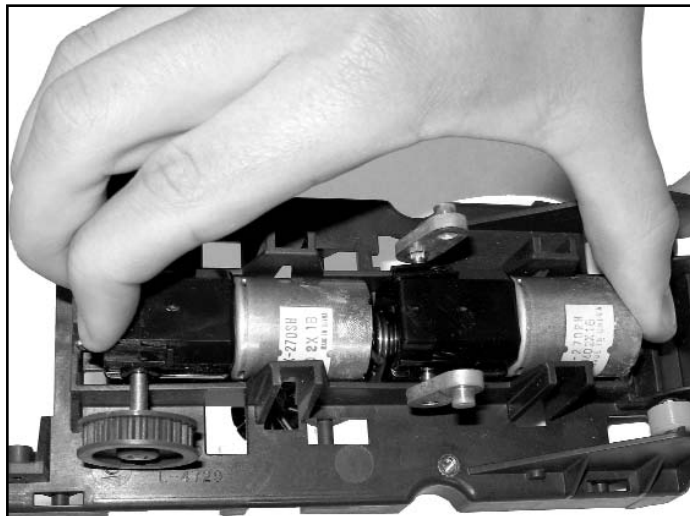
Figure 29

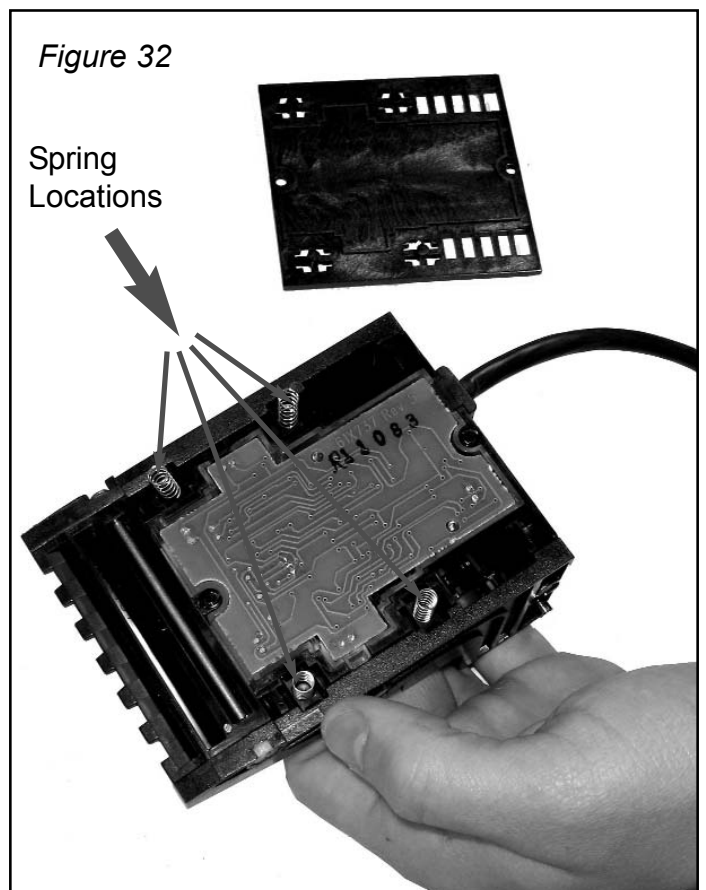2. Pull remaining transport motor straight out.
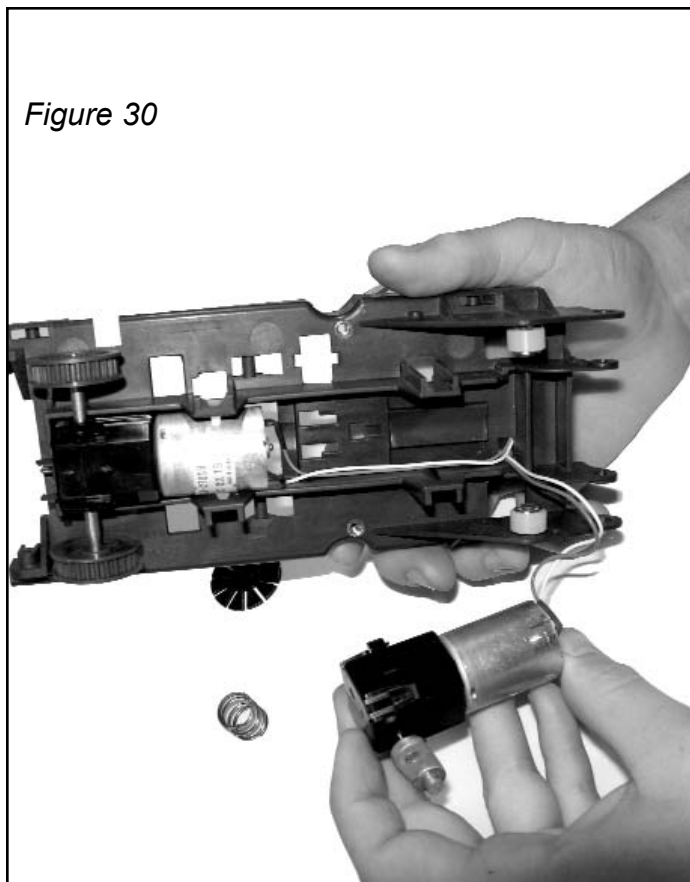
Figure 30

Disassembling the Bottom Sensor Assembly

1. Using 3/16" nut driver, remove two nuts as shown.

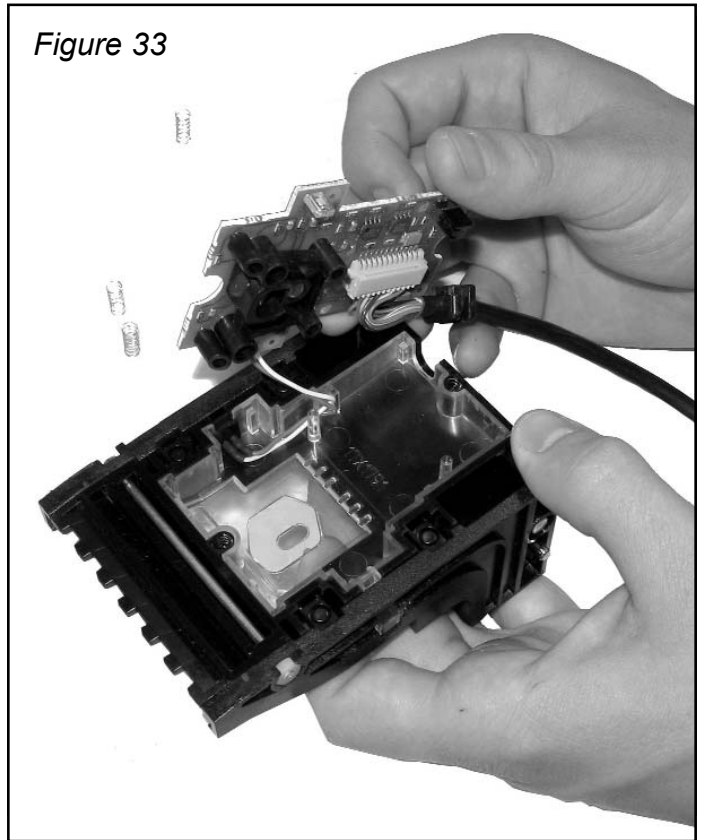2. Once nuts are removed, hold plate down to keep the four springs from jumping out.
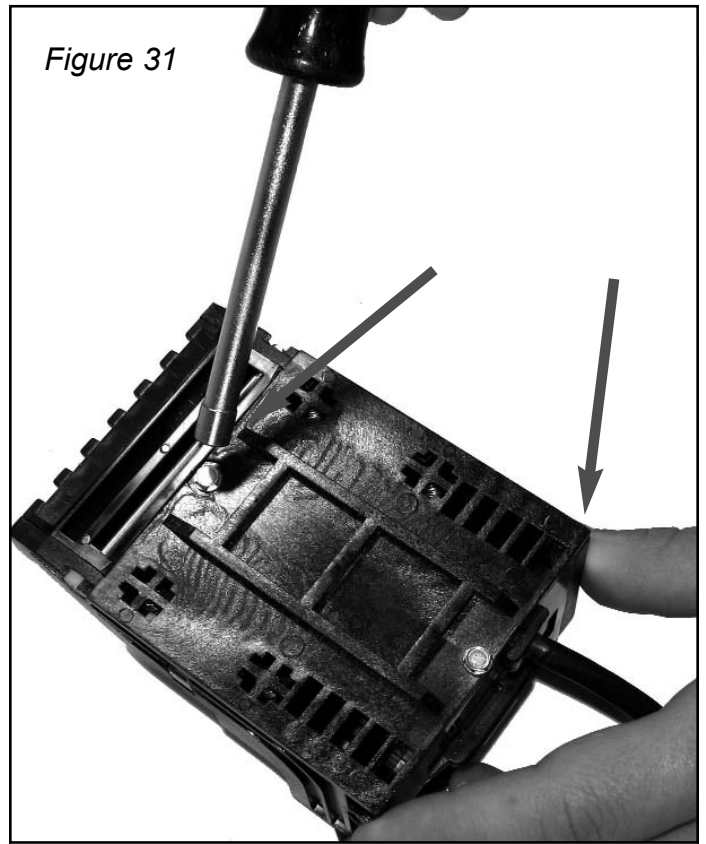
Figure 31

Bottom plate removed exposing springs and sensor board.

Figure 32

Spring Locations

SECTION 5: DISASSEMBLY

1. Pull sensor board straight out to remove from housing.

Figure 33

Removing side sensor

1. Note that bottom sensor board is still connected to bottom plate assembly housing.

2. Note location of side sensor.

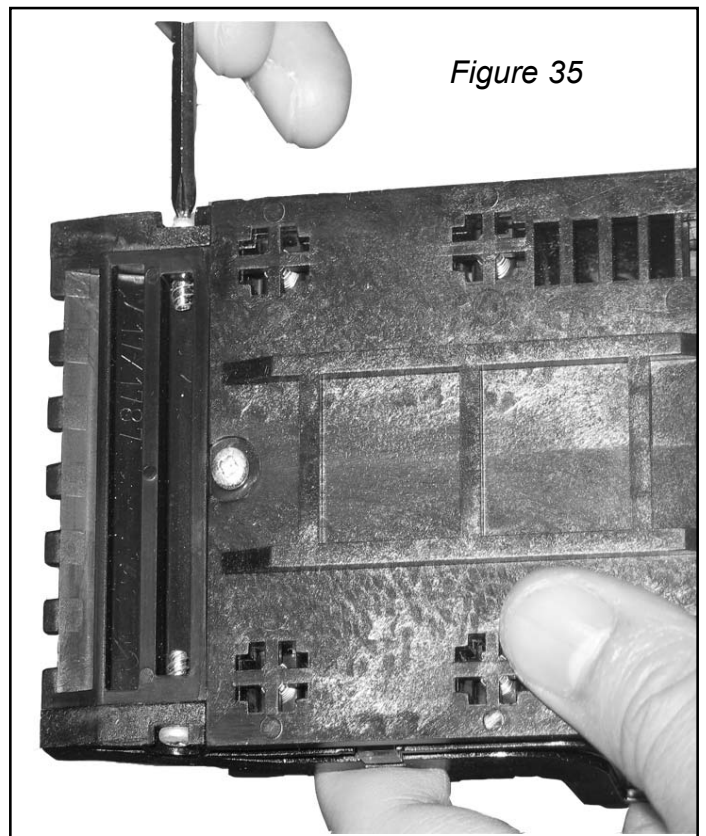3. Remove screws located on this side.
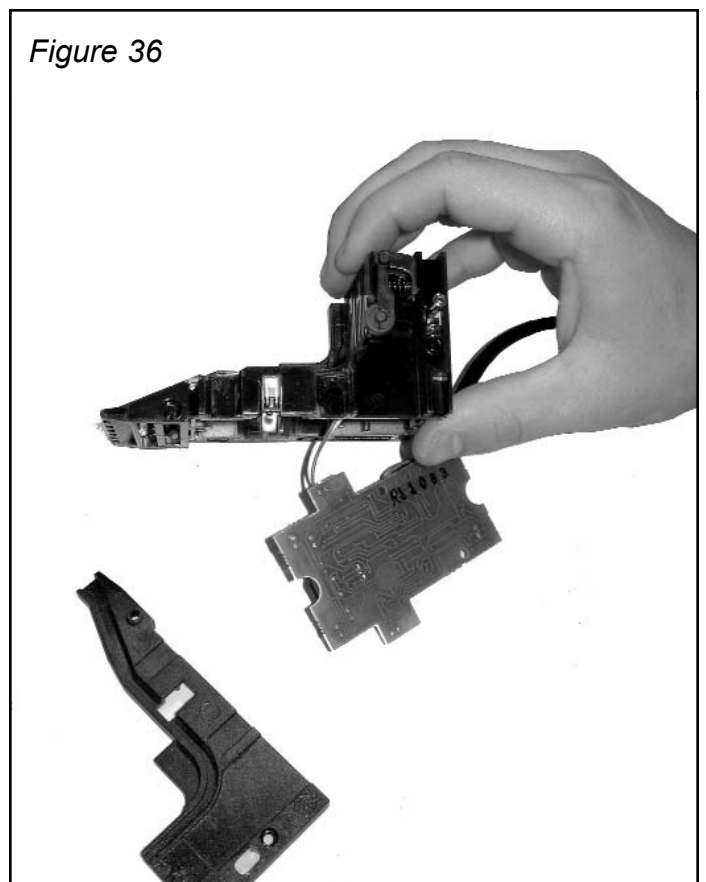

Figure 34
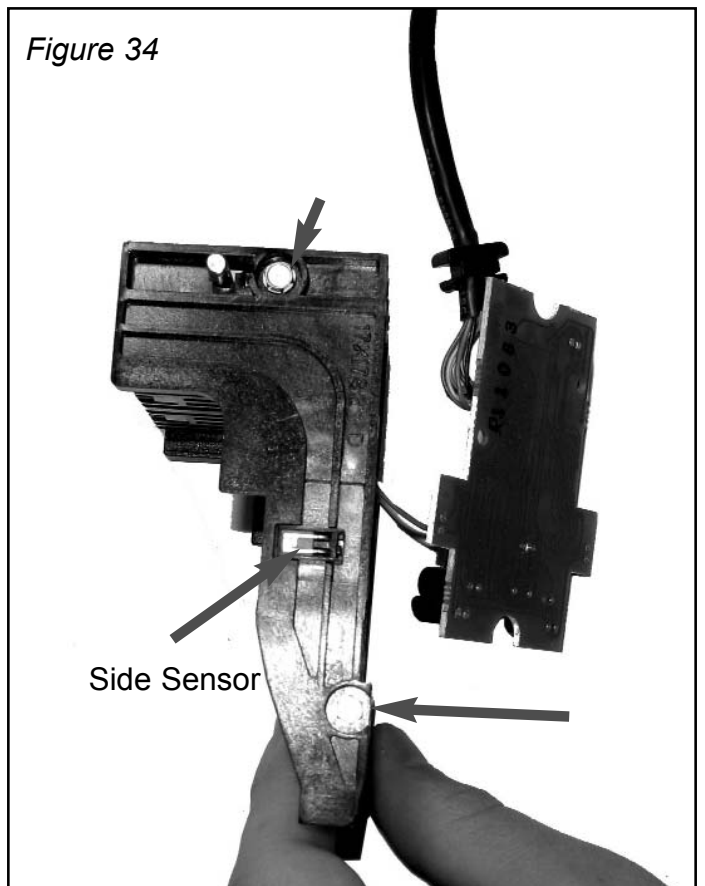
Side Sensor

SECTION 5: DISASSEMBLY

4. Note pin in front.

1. Unscrew nuts on either side of front pin and remove pin.

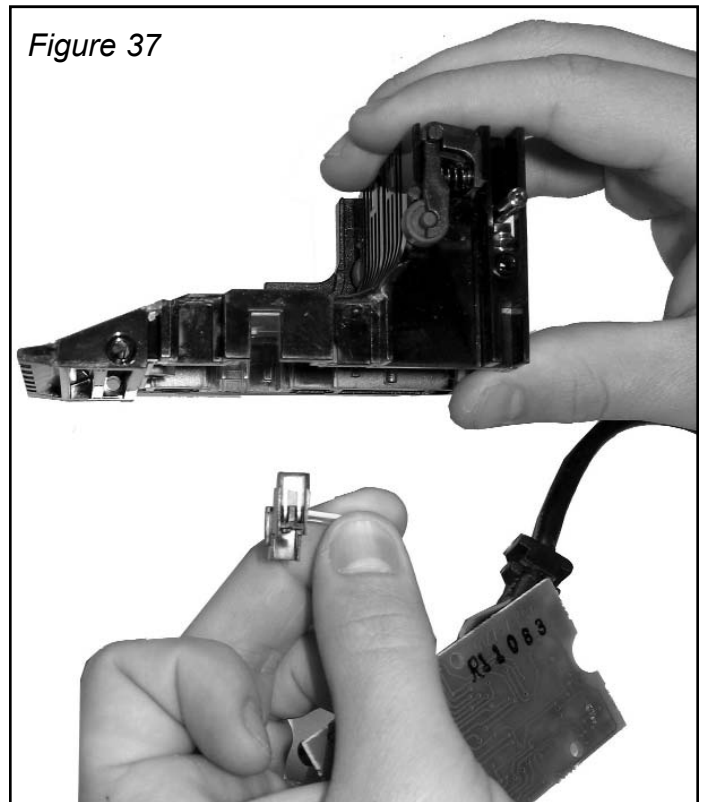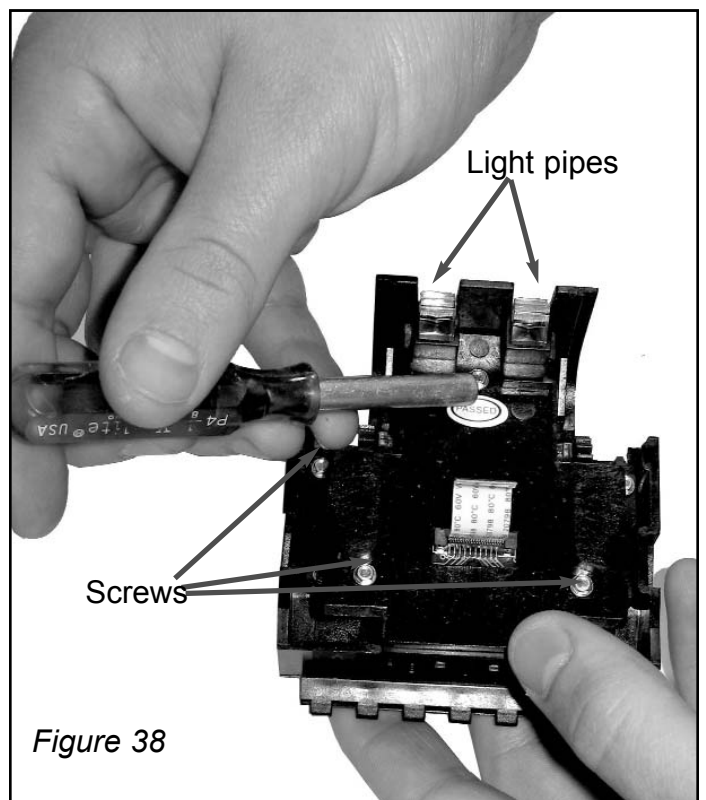2. Unscrew nuts on either side of rear pin and remove pin.

Figure 35

Side Plate is removed.

Figure 36

SECTION 5: DISASSEMBLY

Pull out side sensor.
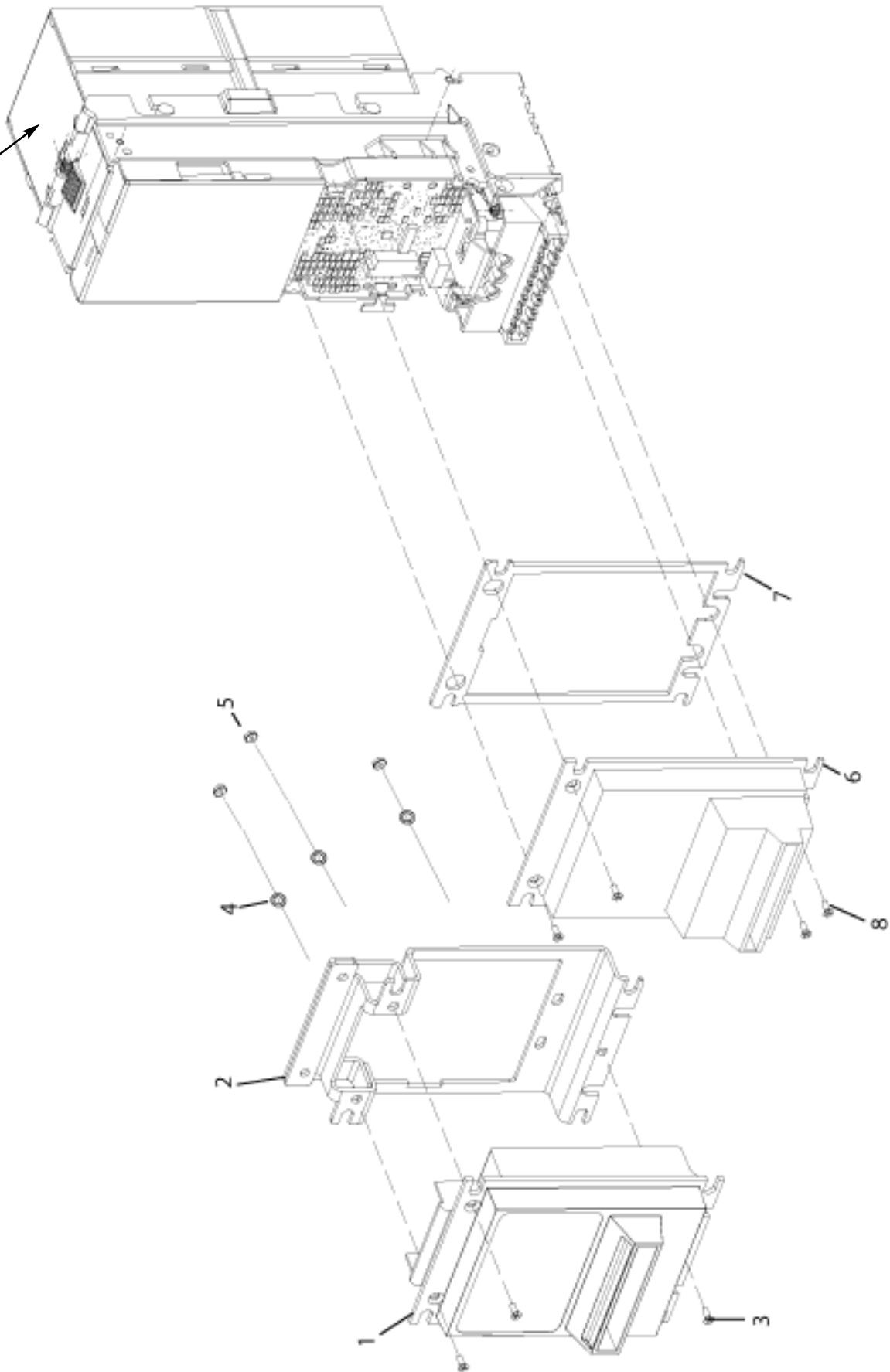

Figure 37

Removing Top Sensor Board

1. Using 1/8" nut driver, remove 3 screws (Fig 38).

2. Remove Plastic cover, exposing top sensor board.

Light pipes

Screws

Figure 38

MC Series Mask Options

SECTION 6: PARTS LIST

Item #	Description	2600/2800 Part No.	QTY.	7200 Part No.	QTY.
1	Mask, Slimline	925882	1	PBL/1669	1
2	Adapter, Slimline Mask	MET/290	1	MET/290	1
3	Screw, M4X12	HSC/326	3	HSC/326	3
4	Washer, 4mm	HWA/026	3	HWA/026	3
5	Nut, M4	HNT/010	3	HNT/010	3
6	Mask, Standard	PBL/1594	1	PBL/1633	1
7	Mask, Frame, Standard	MET/289	1	MET/289	1
8	Screw, 6-32x5/8	300317	3	300317	3
9	MC Series Download Box	409023	1	409023	1

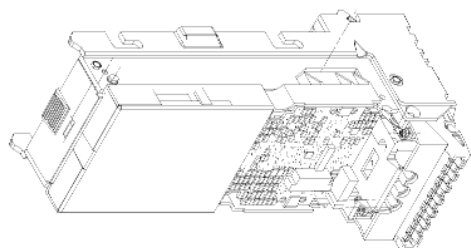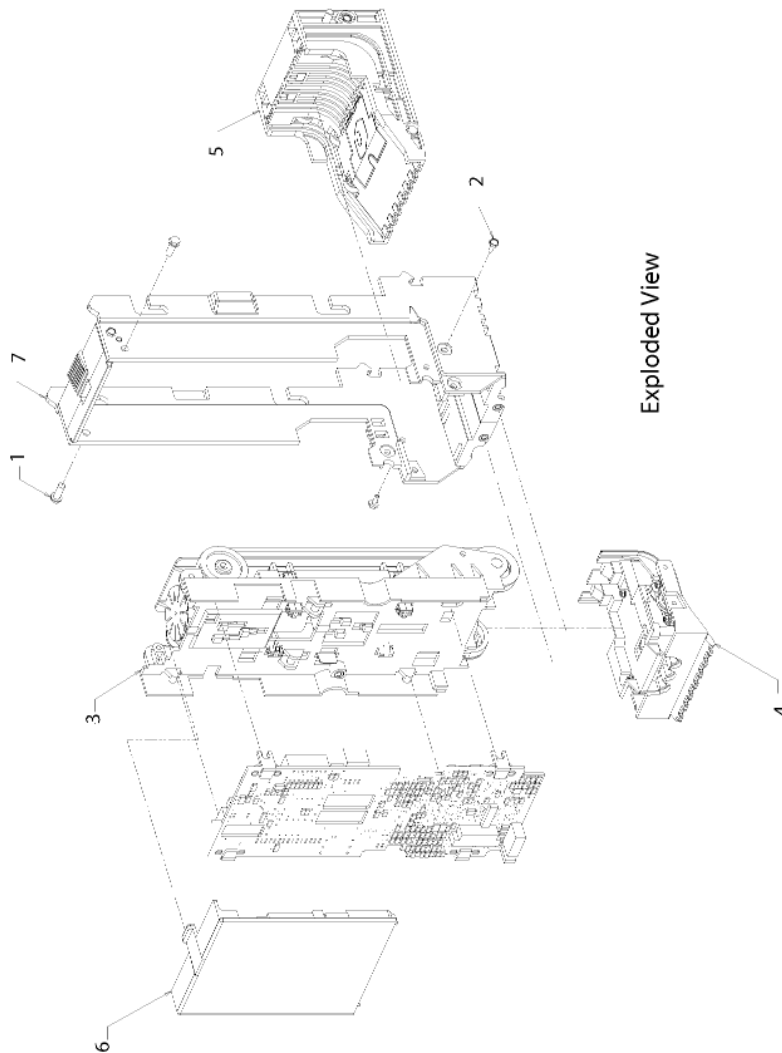## Service Tools - MC Series Download Box
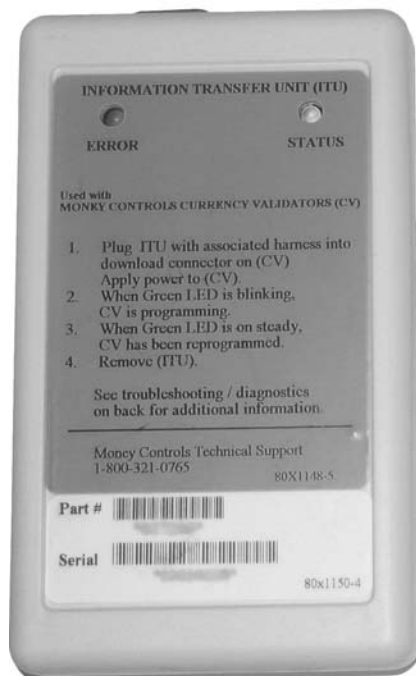
Part 9

MC Series Drive Chassis Assembly

Assembly View
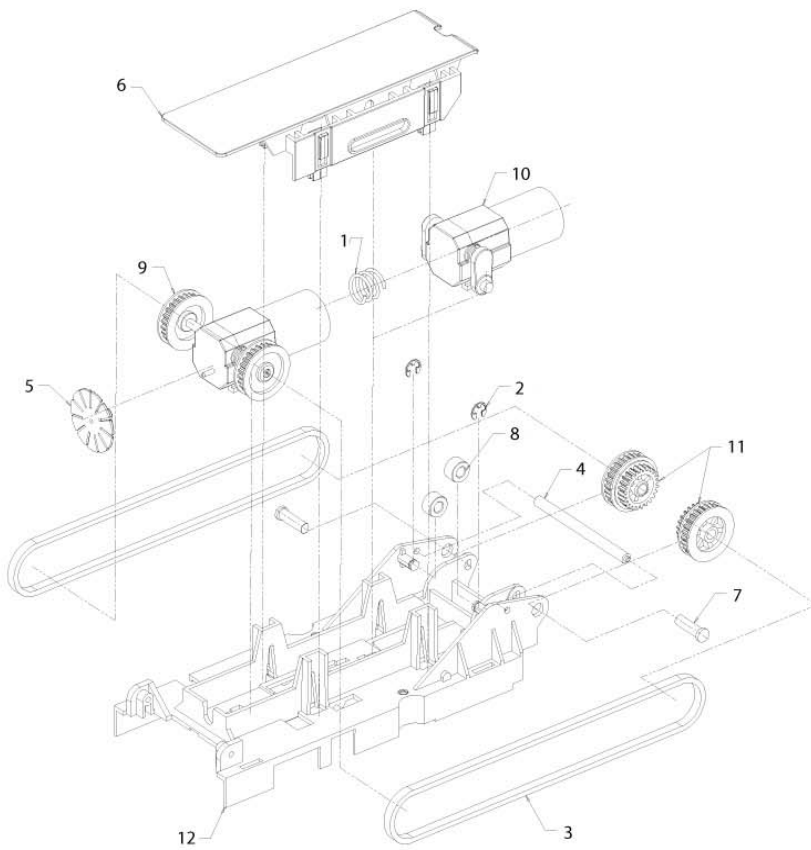
Exploded View

ITEM	Description	MC2600/2800 Part No.	QTY.	MC7200 Part No.	QTY.
1	Screw, 6-19x.975IHWSTS HI LO	300290	2	HSC/103	2
2	Screw, 4-24 x.250 I.H.W.H.	300339	2	HSC/104	2
3	S.A. Drive & Stacker Chassis	409046	1	409046	2
4	Top Sensor Assembly	409043	1	409043	1
5	Bottom Sensor Assembly	409933	1	409930	1
6	CVR, Plate UPR FRT Lexan FR	1709450001	1	1709450001	1
7	Chassis Assembly	021765A	1	409055	1

DRIVE AND STACKER CHASSIS

ASSEMBLY VIEW

EXPLODED VEW
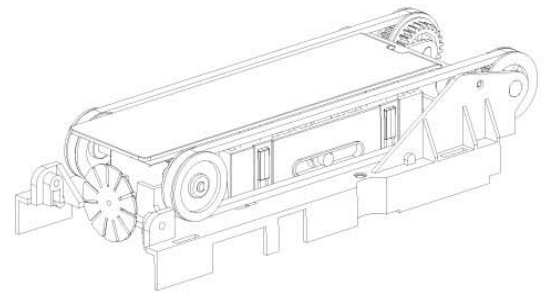
ITEM	DESCRIPTION	2600/2800 Part No.	QTY.	7200 Part No.	QTY.
0	Assembly	409046	-	SUB/9406	-
1	Spring, Belt Tension	SPR/147	1	SPR/147	1
2	E-Ring, .188 Shaft	310036	2	310036	6
3	Belt, Drive 3mm 3/16 Wide	290187	2	HRB/005	2
4	Shaft, Motor Chassis	200919	1	200919	1
5	Wheel, Chopper 11 Slot	171975	1	171975	1
6	Punch Plaste Assy, ABS siilicone coated	SUB/9330	1	171969	1
7	Shaft, Idler Pulley	171714	2	PBL/1683	2
8	Roller Back-up 3mm sys.	PBL/1689	2	171695	2
9	Drive, motors, w/ pulleys assy.	027233A	1	027233A	1
10	Stacker, Motor assy.	027188	1	027188	1
11	Gear & Flange assy.	027169A	2	027169A	1
12	S.A. Chassis & Thread Insert	409045	1	409045	1
13	Pulley Plate RH	N/A		PBL/1626	1
14	Pulley Plate LH	N/A		PBL/1625	1
15	Slider	N/A		PBL/1668	4

MC Series PC Boards and Harnesses

MC Series PC Boards and Harnesses

All Models

Top Sensor Board	Part No.
12V Wake/Sleep Only (MCxxx4)	409224CB
All Others	409222CB
Bottom Sensor Board	**Part No.**
12V Wake/Sleep Only (MCxxx4)	409223CB
All Others	409222CB

Current Configurations

Main Logic Board		Harness Part No.	
PC Board / Communications Description	2600/2800/7200 Part No.	30 pin Commun./ Power	16 pin Commun./ Power
110VAC (MCXXX1) *After Mar. 2007*	408053CB		
- Pulse & 110VAC Power		408732	-----
- Vend Serial		408732	-----
24VAC/VDC (MCXXX2)	409248CB		
- MDB		408730	-----
- Pulse & 24VAC Power		408731	-----
12V Multi-interface (MCXXX3)	409226		
- MDB		-----	408720
- ICT		-----	408721
- Pulse		-----	408722
12V MDB w/ Wake/Sleep (MCXXX4)	409273CB	-----	408720

Prior to March 2007

Main Logic Board		Harness Part No.	
PC Board / Communications Description	2600/2800/7200 Part No.	18 Pin Commun.	6 Pin Pulse / Power
110VAC (MCXXX1)	27130		
- Pulse & 110VAC Power		-----	027205
- Vend Serial		-----	027205
- Ardac2 Serial		027281	027205

MC Series Cashboxes

Item	Description	2600 / 2800 Part No.	7200 Part No.
1	300 Note	SUB/4642	SUB/9431
2	500 Note	SUB/4646	SUB/9403
3	700 Note	SUB/4647	-----
4	900 Note	SUB/4648	-----
5	1100 Note	SUB/4649	-----

SECTION 7: PC BOARD INTERFACE CONNECTIONS

MC2600/MC2800/MC7200 110 VAC Pulsed Interface
(30 Pin)
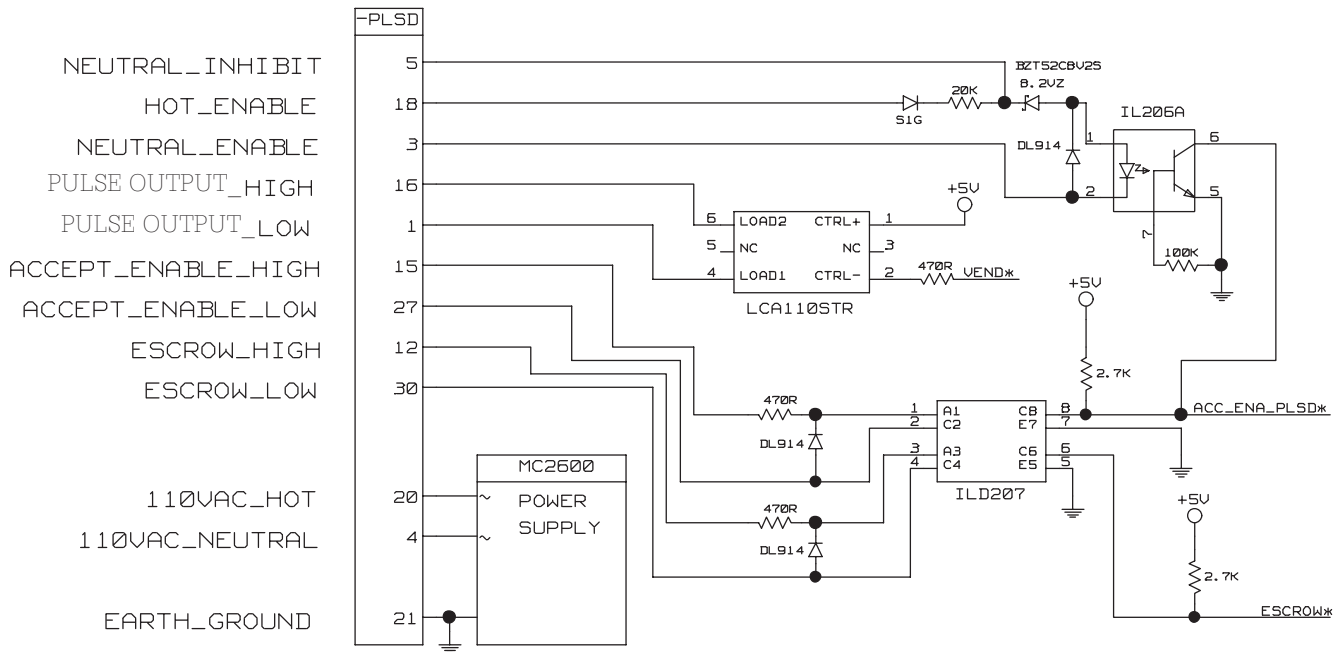
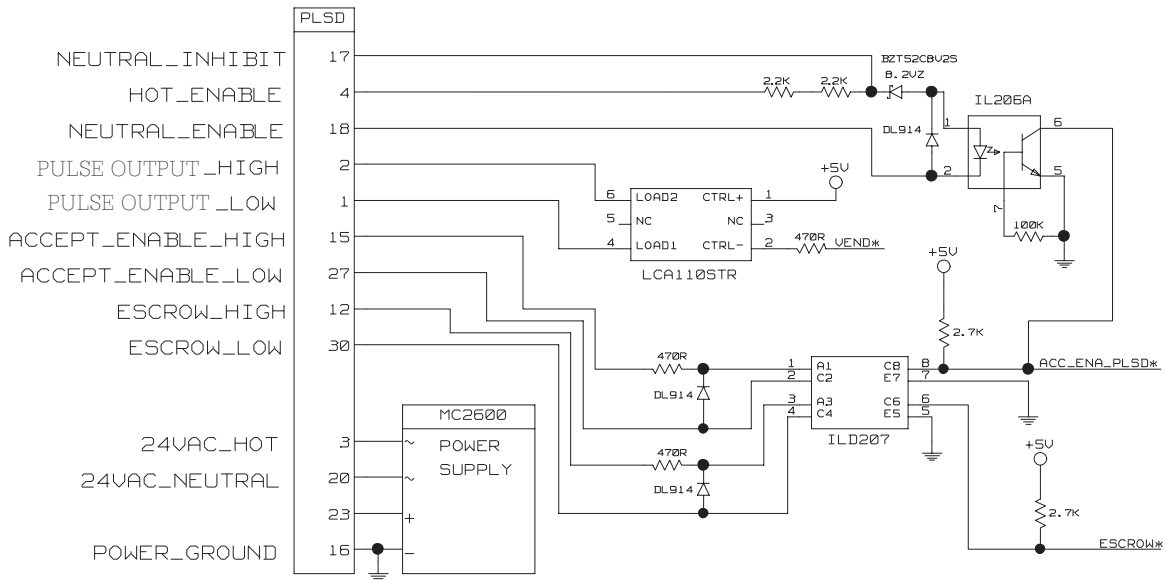### MC2600/MC2800/MC7200 110 VAC Vend Serial Interface (30 pin)
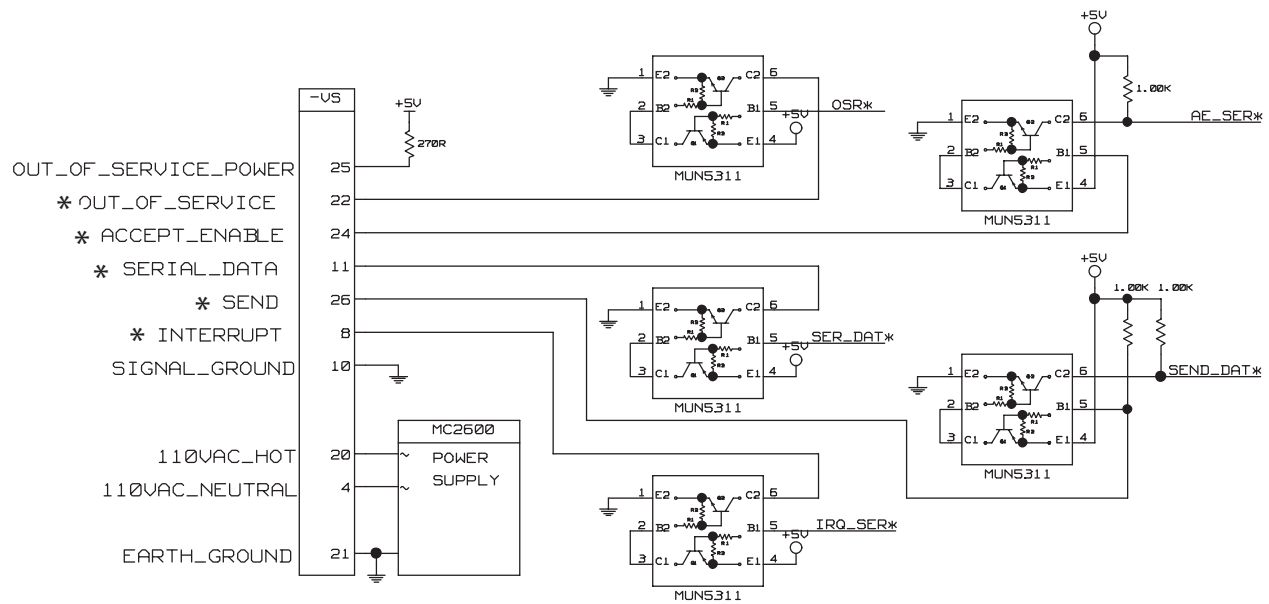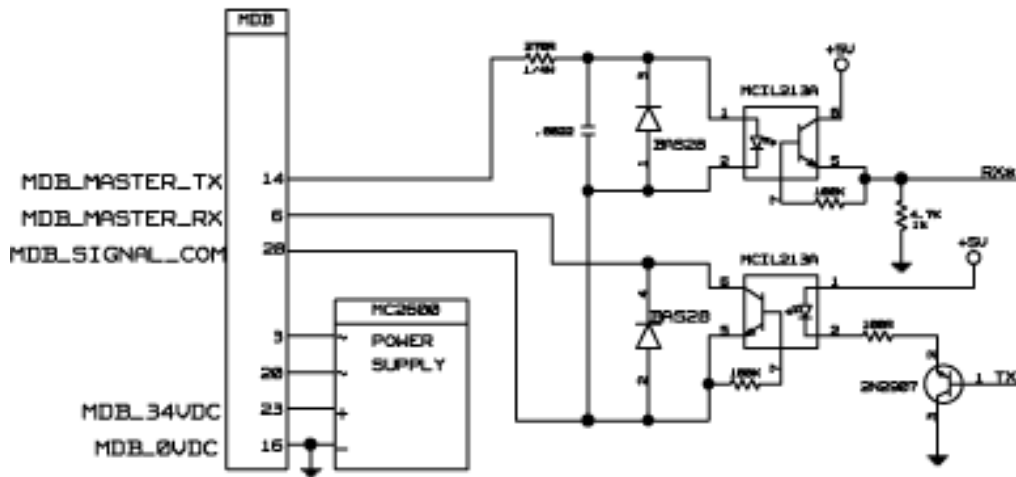

*NOTE: * means output/input is active low.*

NOTE: Pin 21 Ground of the 30 pin power connector and the metal mounting plate must be connected to earth ground

## MC2600/MC2800/MC7200 24 VAC Pulsed Interface
(30 Pin)

MC2600/MC2800/MC7200 24 DC MDB Interface
(30 Pin)

*Note: Pin 21 Ground of the 30 pin power connector and the
Metal mounting plate must be connected to earth ground*

SECTION 7: PC BOARD INTERFACE CONNECTIONS

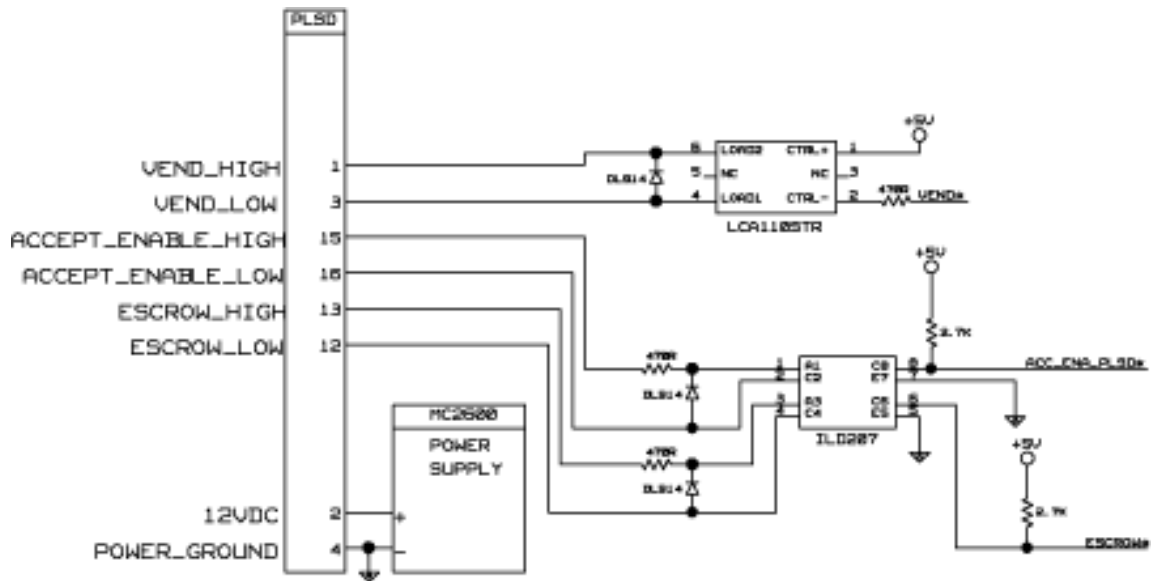## MC2600/2800/7200 12V MDB Interface & MDB w/Wake/Sleep (16 Pin)
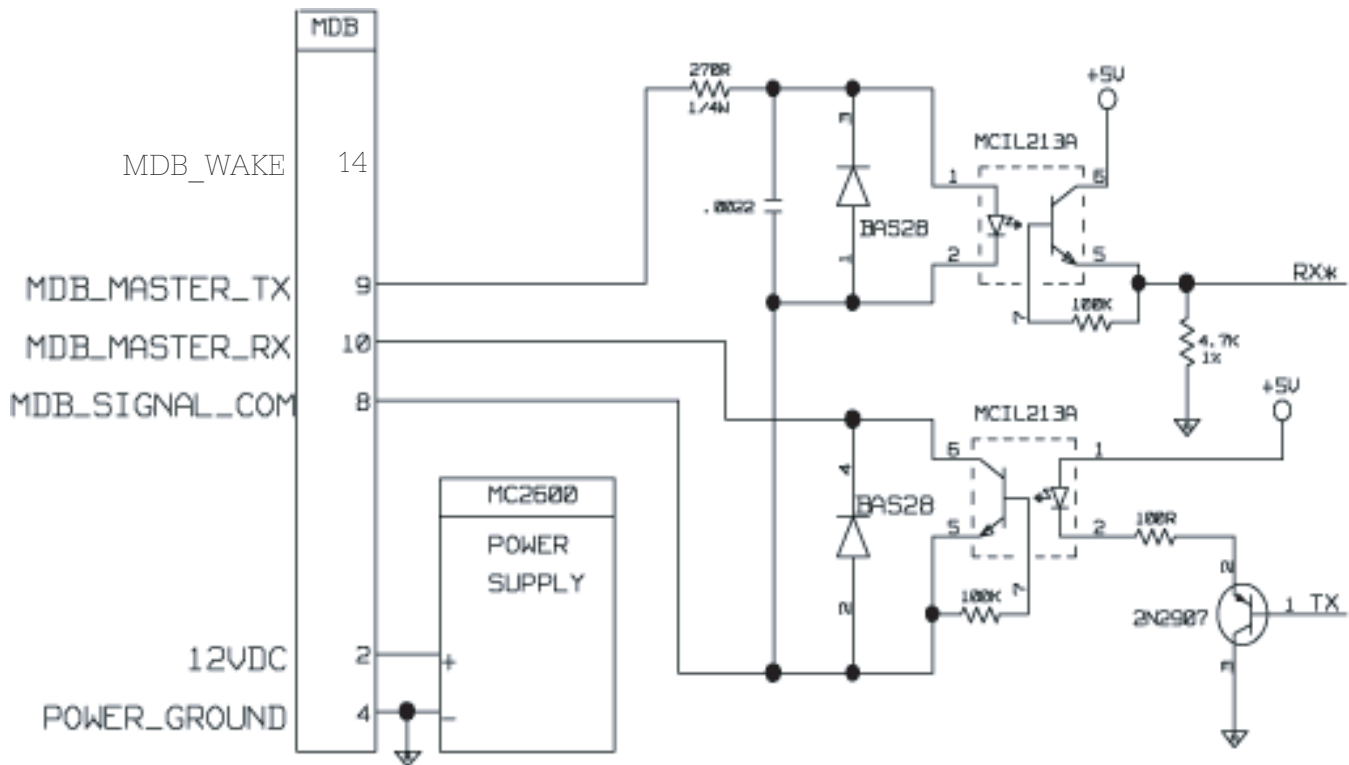
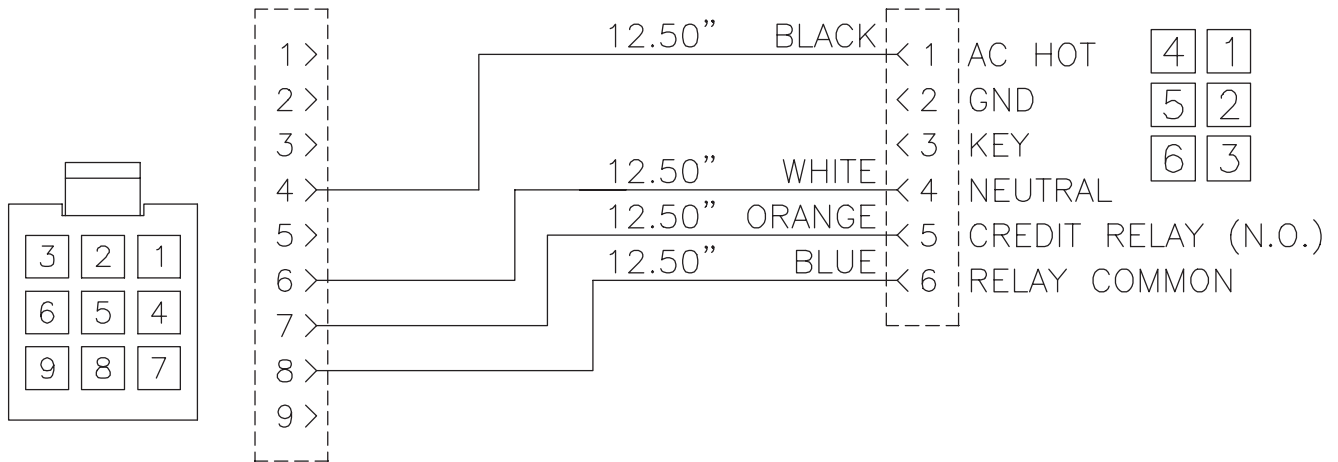## MC2660/2800/7200 12V Ardac2/ICT Serial Interface (16 Pin)
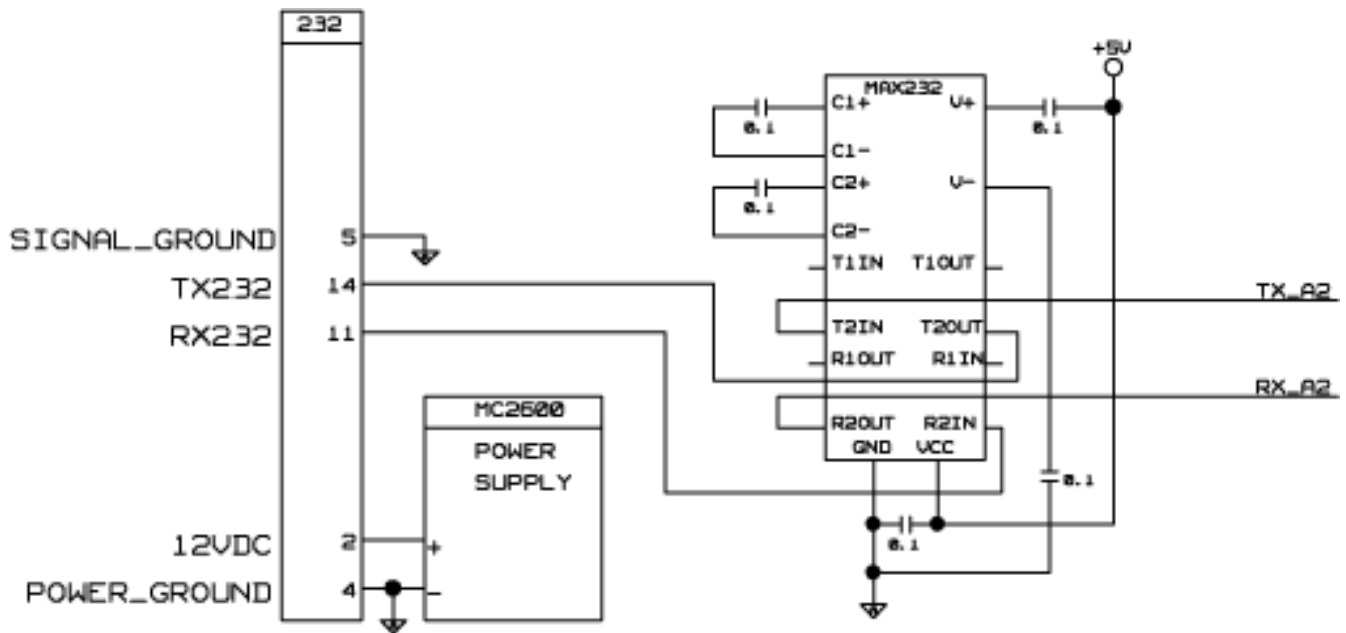
SECTION 7: PC BOARD INTERFACE CONNECTIONS

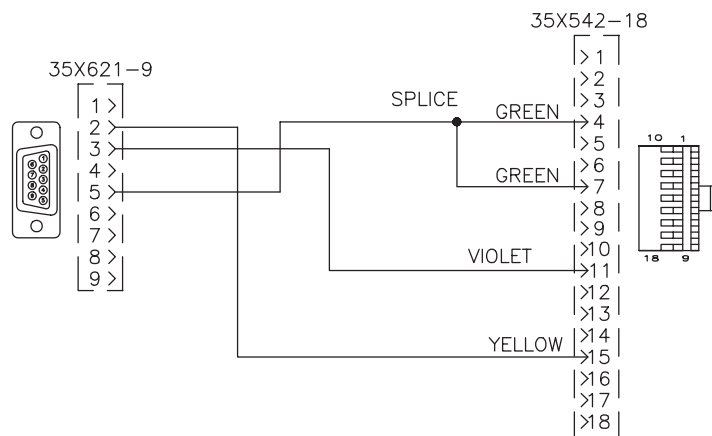## MC2600/2800/7200 12V Pulse Interface (16 Pin)

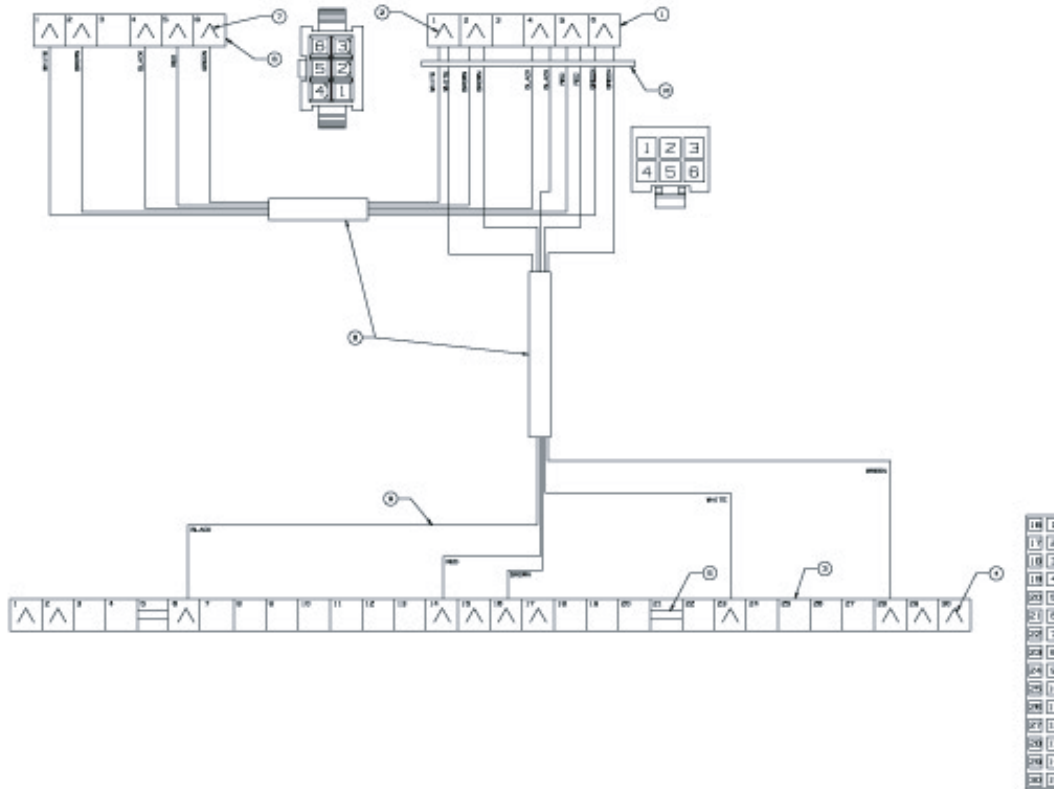### 110 VAC Pulse/110VAC Power, Pulse Harness for 18 Pin L.B.
Harness #027205

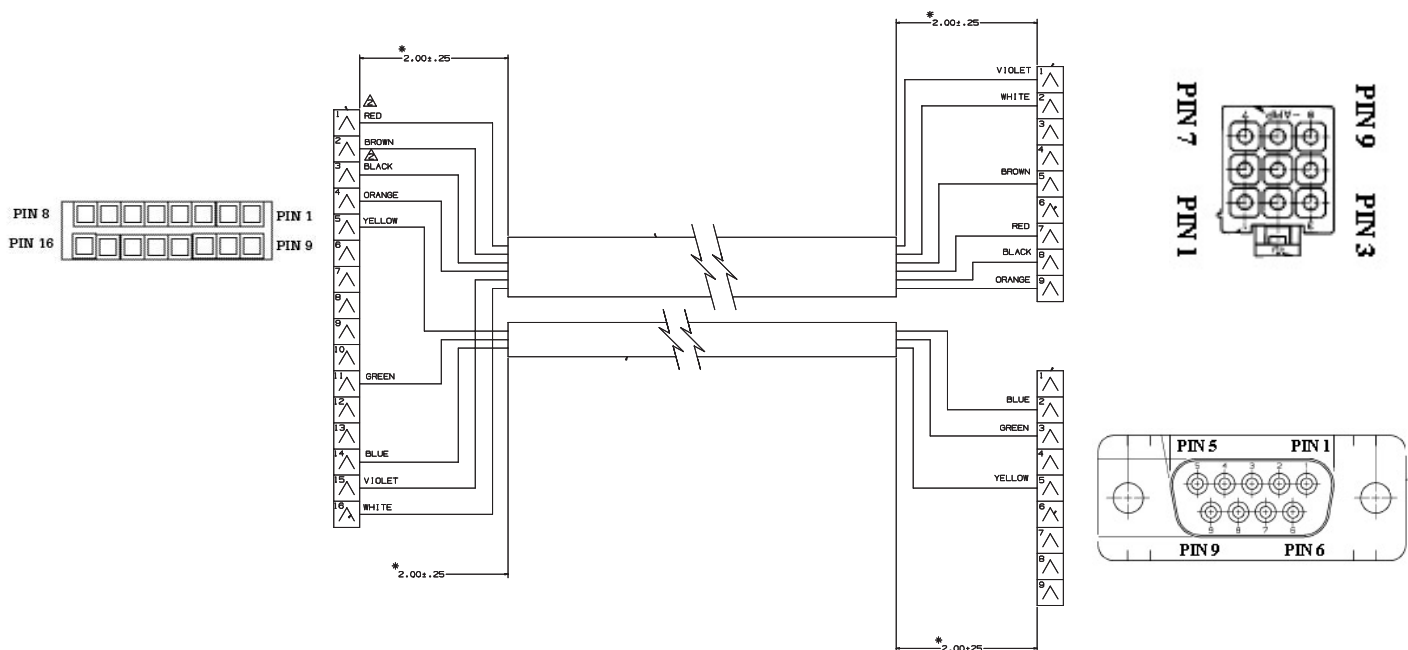### 110VAC Ardac 2 Serial Communications for 18 Pin L.B.
Harness #027281

24 VDC MDB Communications and Power
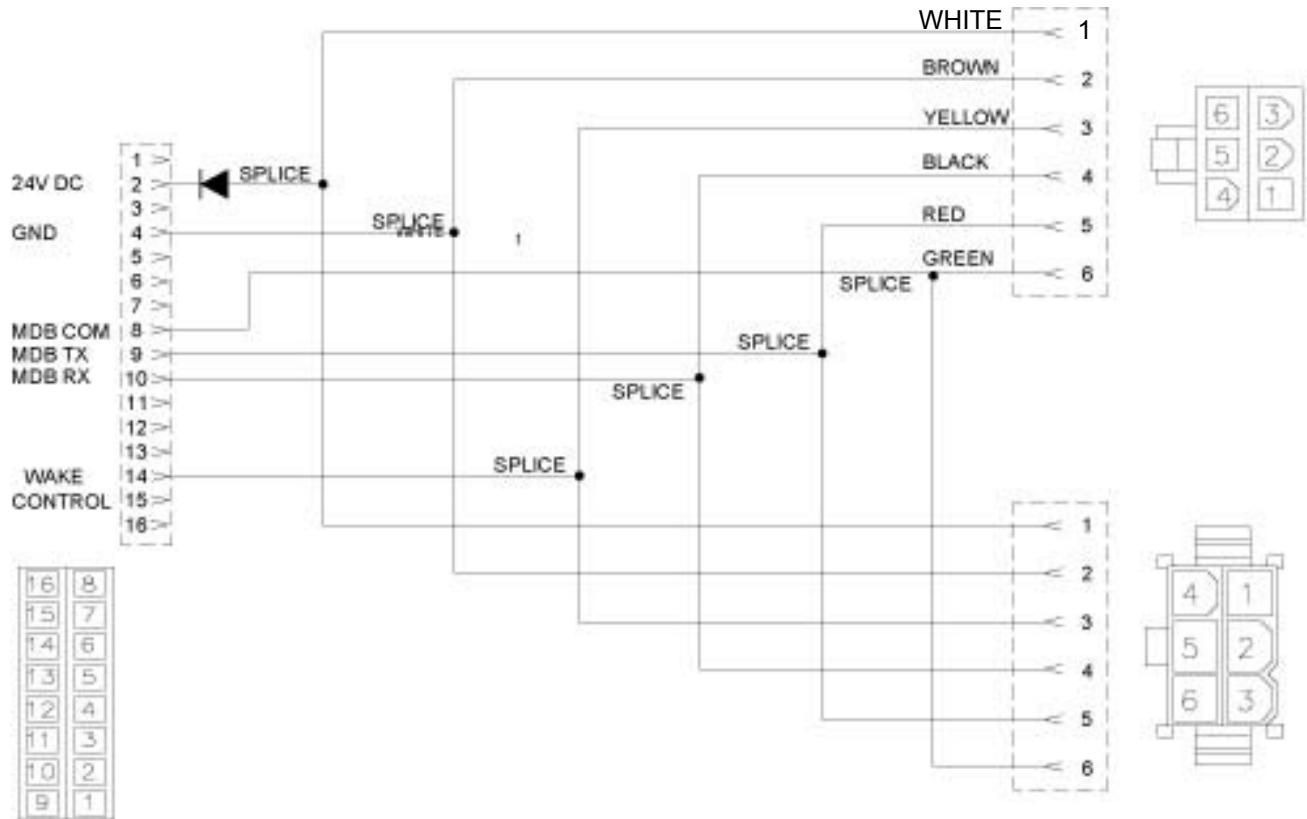## Harness # 408730

ICT, Pulse, Ardac 2 Communications & Power
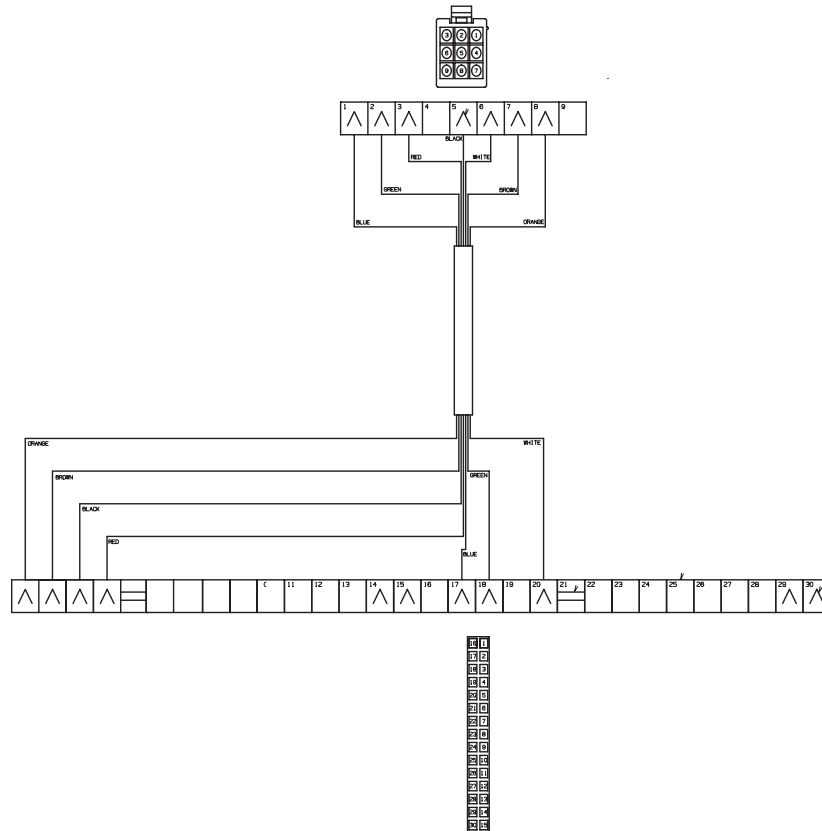## Harness # 408721

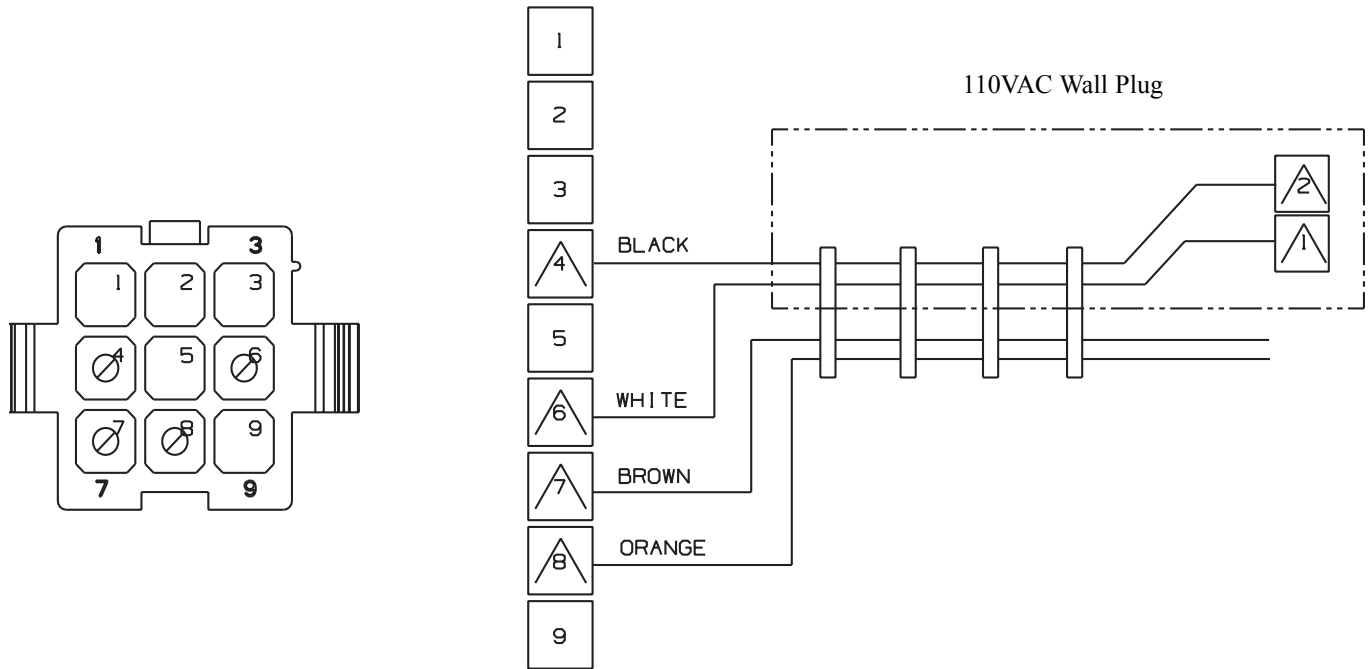# SECTION 8: HARNESS INTERFACES

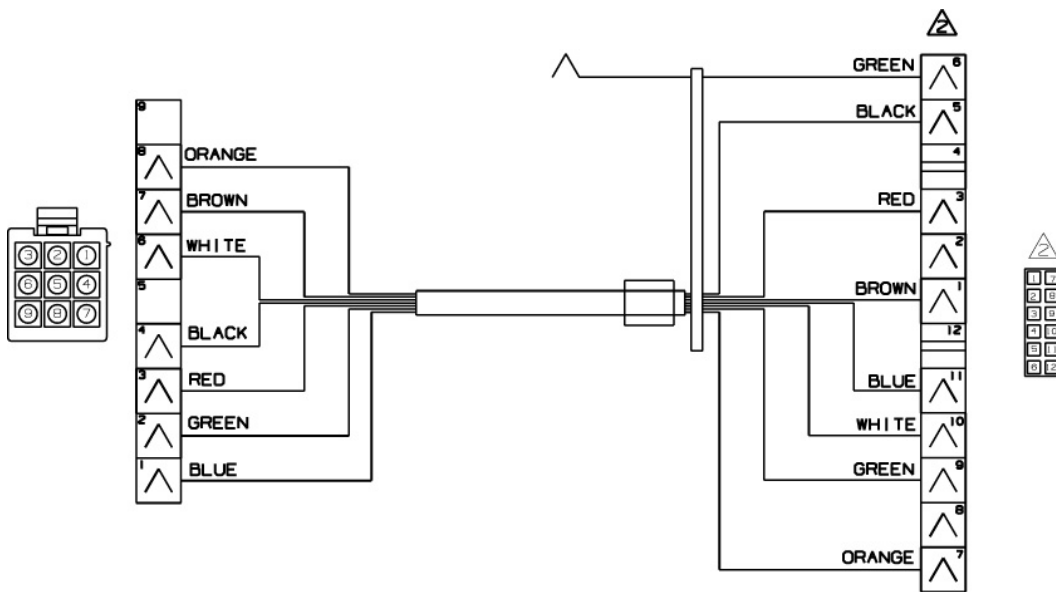## Harness # 408720 12V MDB Communications & Power with & without Wake/Sleep

24VAC Pulse & Power
Harness # 408731

2600/2800 110 VAC Pulse w/ Wall Plug Power
Accessory Kit #408903 Harness

110VAC Wall Plug

BLACK
WHITE
BROWN
ORANGE

110 VAC Pulse/Power
Harness # 408732

ORANGE
BROWN
WHITE
BLACK
RED
GREEN
BLUE

GREEN
BLACK
RED
BROWN
BLUE
WHITE
GREEN
ORANGE

Technical Support-Contact Information

USA

Coin Acceptors, Inc.
Phone: 800-325-2646
Email: techsupport@coinco.com
Web Site: www.coinco.com

CANADA

Coin Acceptors Canada
Phone: 1-800--387-9300
Email: techsupport@coinco.com
Web Site: www.coinco.com

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Coin Acceptors, Inc.
300 Hunter Avenue
St. Louis, MO 63124-2013
USA
314 725-0100
(800) 325-2646

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