WaveRider Installation

MAYTAG™

Single Machine
Side-Car Enclosure
Coin & Card
PULSE MODE
METER CASE MOUNTING

Laundry Machine Model Numbers

This document applies to the WaveReader installation process following Whirlpool/Maytag model numbers that are operating in **PULSE MODE**:

HE Washers
MAH22PDAGW
MAH22PDBXW
MHN30PDAXW
MHN30PDAWW
MHP30PDAWW

HE Dryers
MDE22PDAGW
MDE22PDBZW
MDE25PDAYW
MDE25PDAZW
MDG22PDAGW
MDG22PDBWW
MDG22PDBXW

If you cannot locate the model number of the machine you require in the lists above, please contact MicroPayments Customer Service at:
Tel: 800-332-4835   Press 2

Installation Kit Contents & Required Tools

This following tables list the required tools & components for the installation process. If you cannot locate and/or identify any of the components listed above, please contact MicroPayments Customer Service at 800-332-4835 , then press 2.
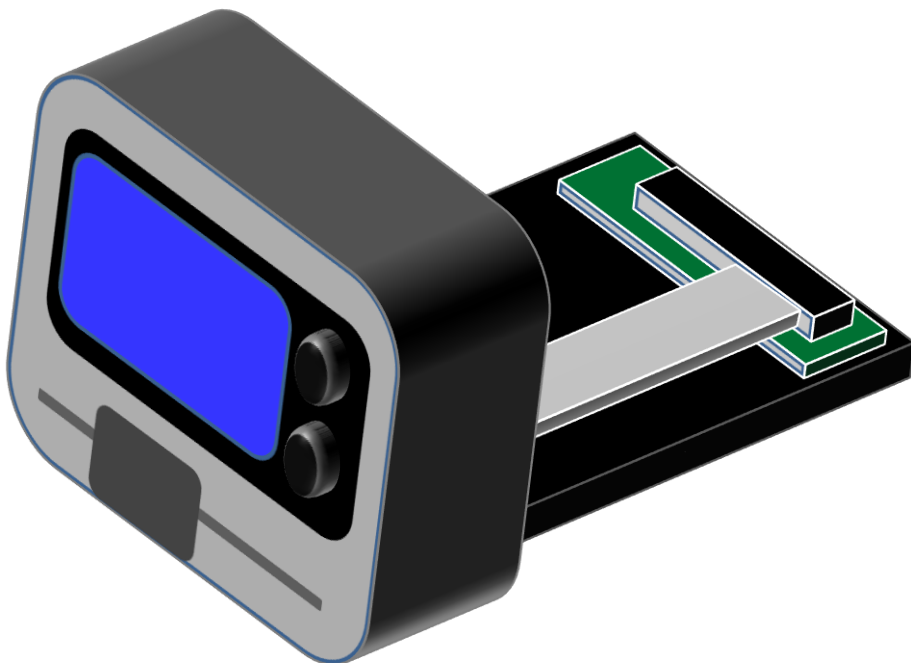
Required Tools

- **#10 Pin-in-Star Torx Driver**
- **#20 Pin-in-Star Torx Driver**
- **¼" Socket Driver**
- **7/16" Socket & Ratchet**
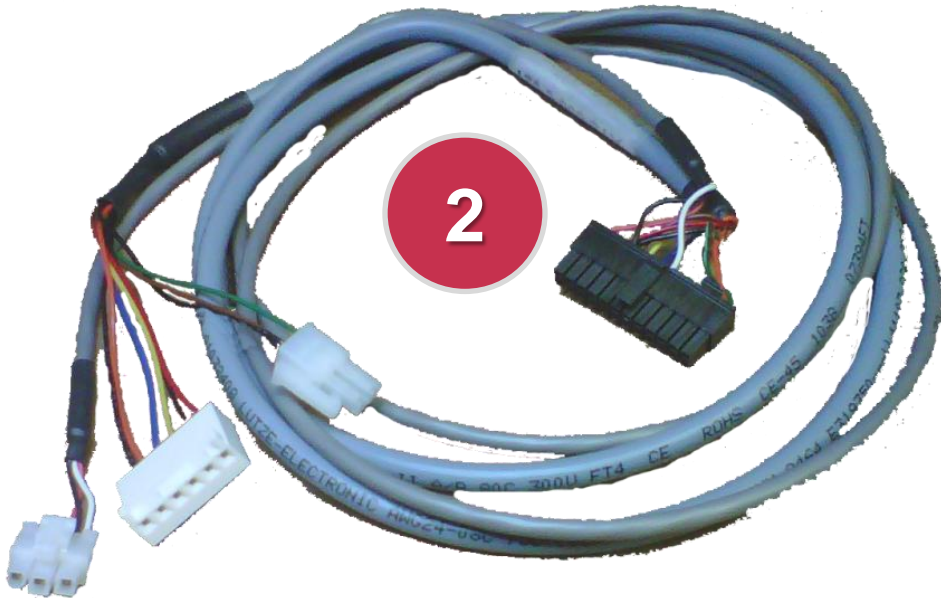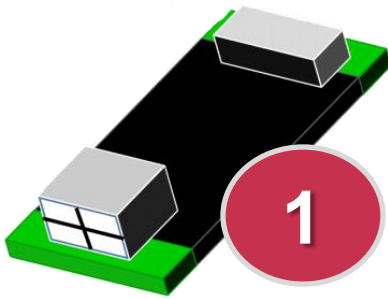- **Phillips Head Screwdriver (medium)**
- **Flat Head Screwdriver (medium)**

WaveReader

Item	Qty	Part Number	Description
1	1	WLAU-NNNNNN	WaveReader

Interface Harness

KIT-HRN-050-6-011			Harness Kit for Maytag Coin & Card
Item	Qty	Part Number	Description
1	1	ASM-050-6-005	Stuffed Maytag Coin Drop board
2	1	AYS-050-6-021	Cable, Maytag PC/CD for WR

Side Car Housing

| KIT-050-6-032M			Maytag Side-Car Enclosure Kit (meter case mounting)
Item	**Qty**	**Part Number**	**Description**
1	1	MFP-050-6-032-011	Side Car Cover
1	1	MFP-050-6-032-0112	Side Car Base
2	1	MFP-050-6-043	Side Car Access Door - Maytag (Newer)
5	2	SRW-1/4-20X.50HM	Bolt 1/4-20x1/2 Hex Zinc Plated
7	4	SRW-632X.188PPL	Screw 6-32 x 3/16" Pan Head Phil locking
4	6	SRW-632X.375BTSS	Screw 6-32 x 3/8"Button Torx Socket
6	2	WAS-1/4-20L	Washer 1/4-20 locking MMC#91102A750
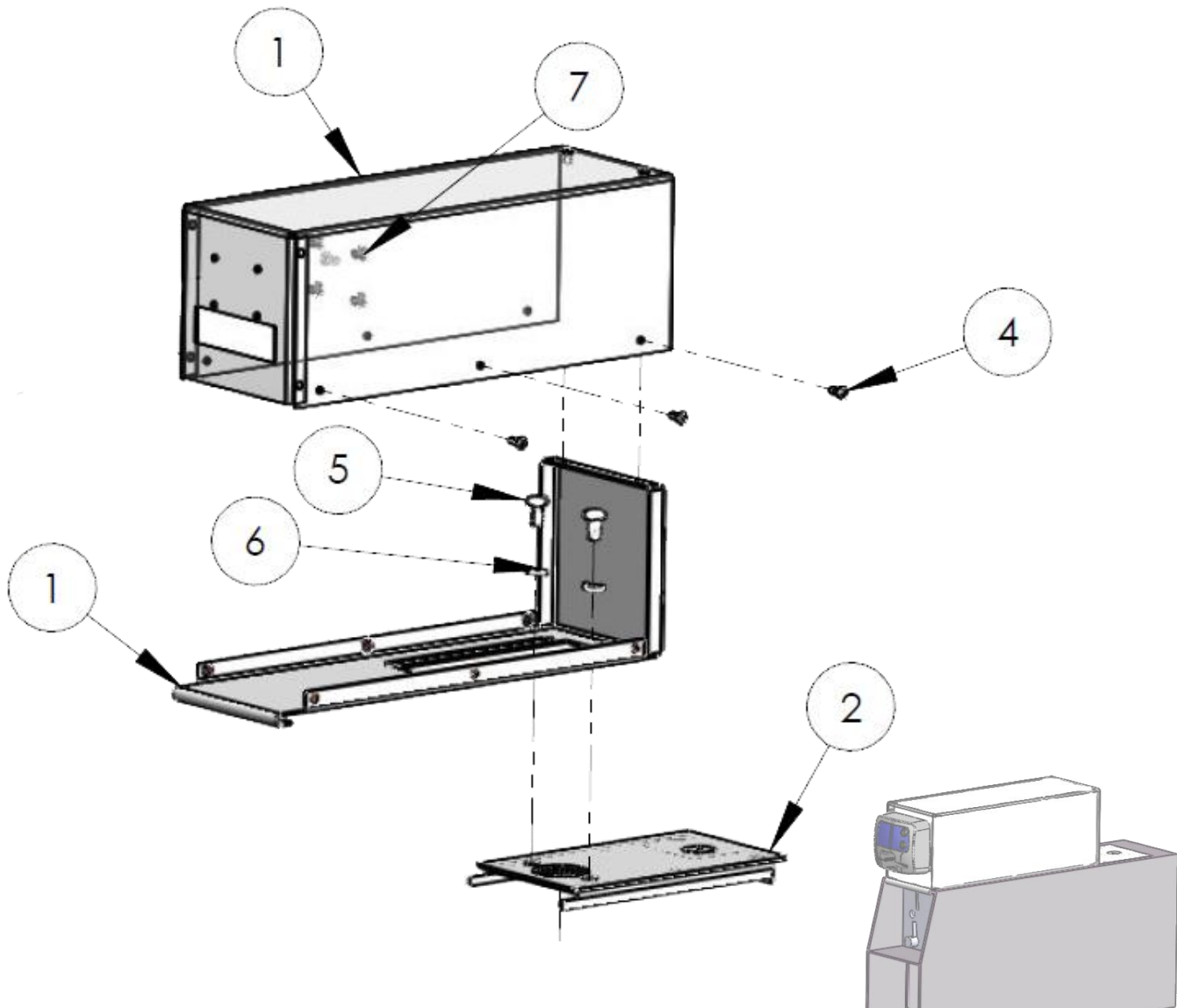
Preparation

Disconnect the laundry machine from all power sources before performing any of the following steps.

Installation

1 Remove the current coin vault service door, and remove the locking mechanism from the service door. You will need the lock, later.
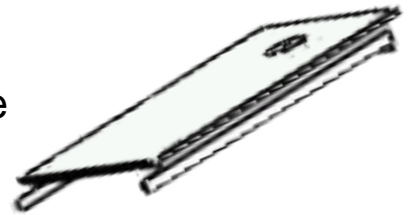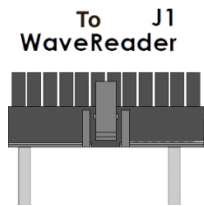

2 Using a Torx driver, remove the front panel of the machine (as shown) and unscrew the top machine cover so it can hinge upward.
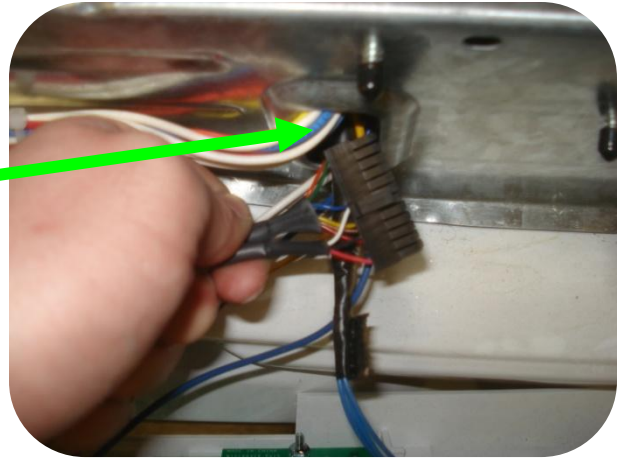
Installation

3

To   J1
WaveReader

Route the WaveReader interface harness into the interior of the machine via the main cable access hole. The large single end (J1) of the harness is the end to insert.

4

Using care, lift the top of the machine up from the front edge, and locate the main access hole for the meter case.

5

Feed the harness through the interior of the machine and push the JI connector (the end of the interface cable that connects to the WaveReader through the bottom of the top cover, into the meter case.
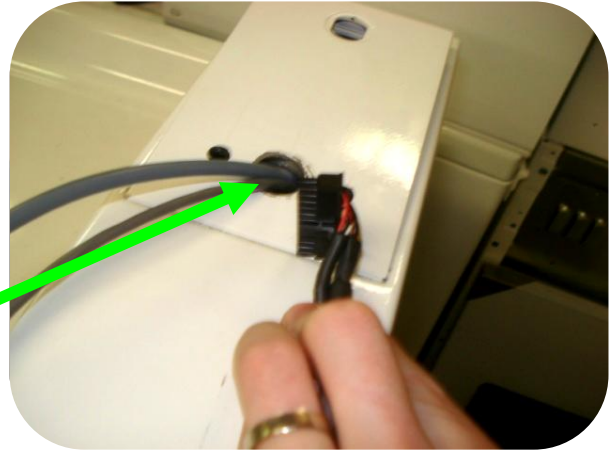
Lower the machine's top

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6   Install the locking mechanism that was removed from the original Service Door onto the new Service Door supplied in the Side Car Kit.
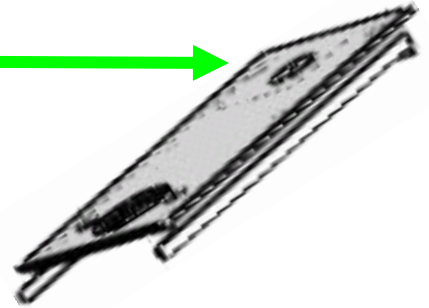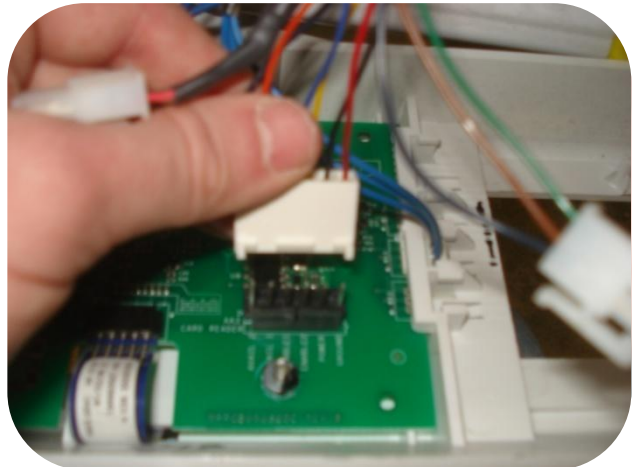

7   Pull the harness through the meter case's service door opening, and then through the cable access hole in the new Service Door as shown.
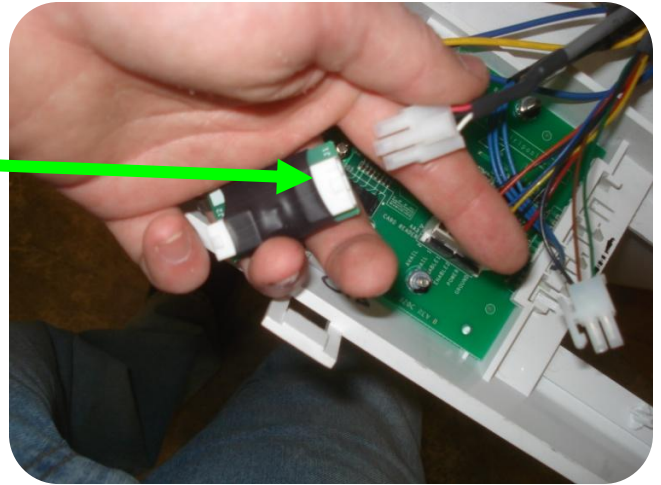

8   On the main panel, connect **J3** of the WaveReader harness to the **AA3** connector on the Maytag control board, as shown .

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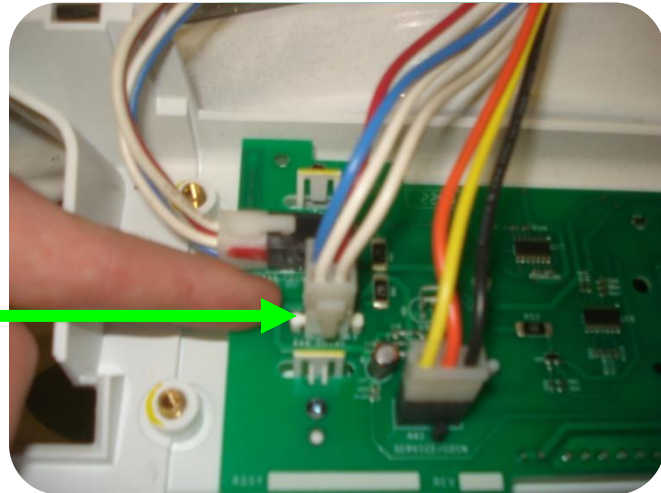PAYMENT SYSTEMS®
MICROPAYMENTS

9 Locate the **Coin Adapter Board**. Connect **J4** of the WaveReader harness to the mating connector on the **Coin Adapter Board**.
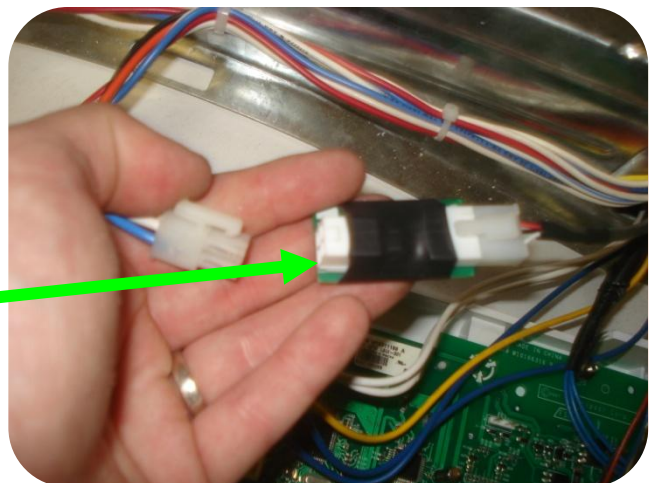

10 On the Maytag control board, locate the **COIN 1** connector and remove the cable that is plugged into it.
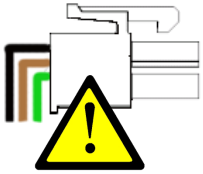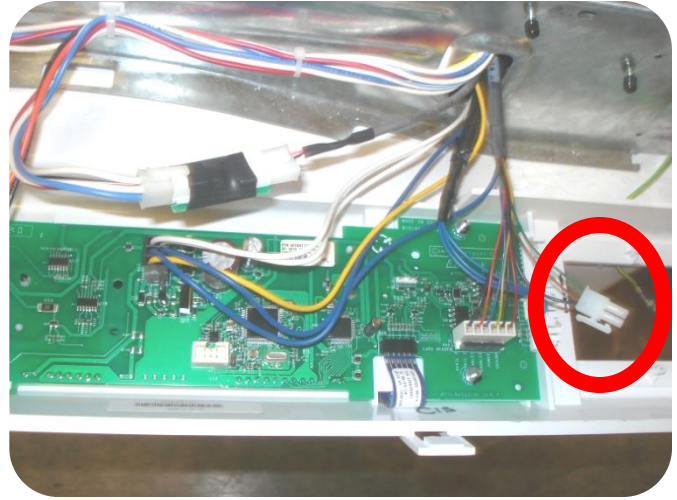

11 Insert the **COIN 1** connector into the mating connector on the **Coin Adapter Board**, as shown.
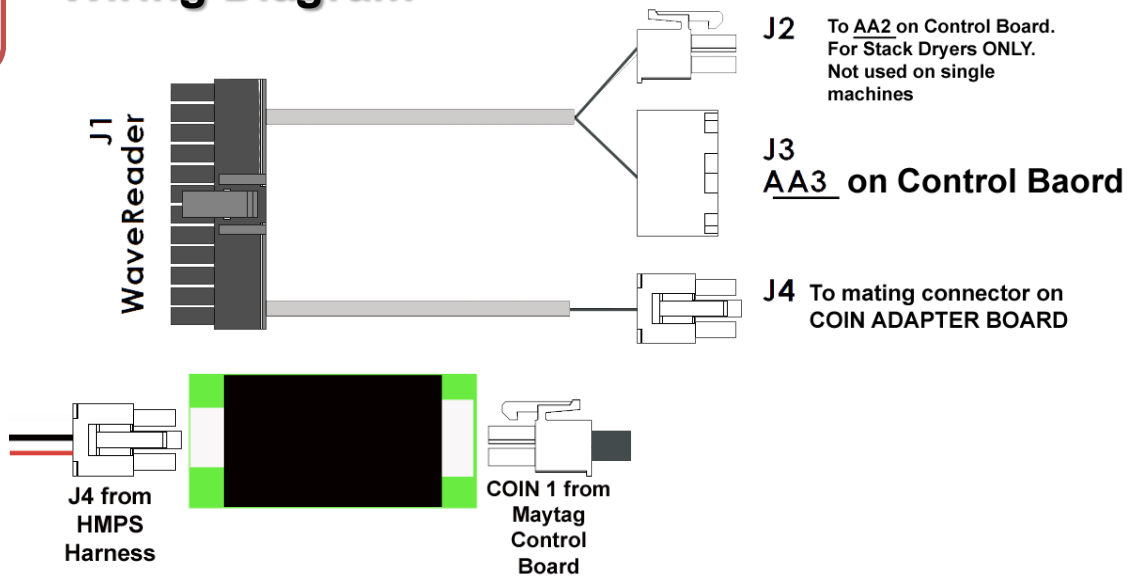
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12

The completed wiring assembly should look like this…

Note: the J3 connector, Indicated in the red circle, is not used for single machines, and can be ignored.

13

Wiring Diagram

J2 To AA2 on Control Board. For Stack Dryers ONLY. Not used on single machines

J3 AA3 on Control Baord

J4 To mating connector on COIN ADAPTER BOARD

J4 from HMPS Harness

COIN 1 from Maytag Control Board

14

Using zip-ties, secure all wiring harnesses to prevent pinching, wire-strain, and chafing.

Installation

15

Pull WaveReader harness through the large, center opening of the Side Car bottom. Make sure that the curved lip on the bottom panel is facing the front of the meter case.


16

Rest the Side Car bottom on top of the meter case and slide it rearward until the curved lip securely grabs the upper-front edge of the meter case. Bolt the Side Car bottom to the new service door lid with the two (2) **1/4-20x1/2 Zinc Plated Hex Bolts** and washers that were supplied with the kit.

17

Locate the top cover of the Side Car Kit, and turn it over. Insert the WaveReader into the cover and position as shown.
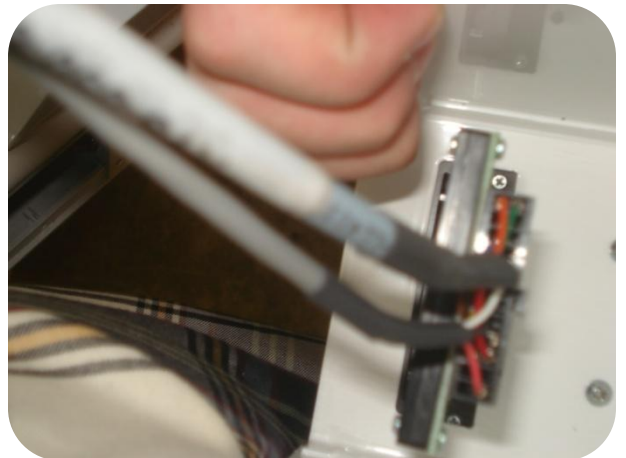
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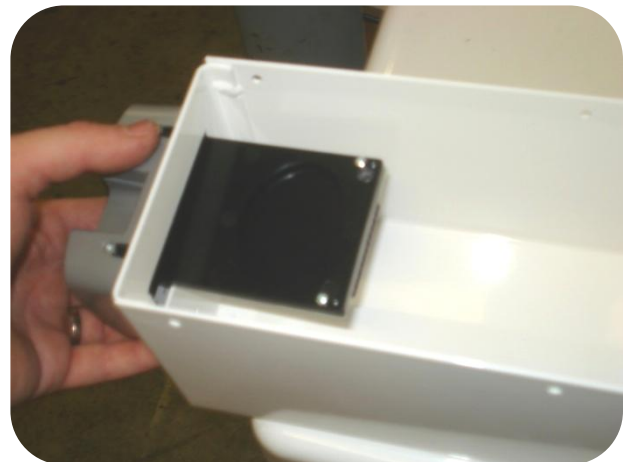
18 Secure the WaveReader to the top cover with the four (4) 6-32 Philips Pan Head Locking Screws that were supplied with the Side Car Kit.
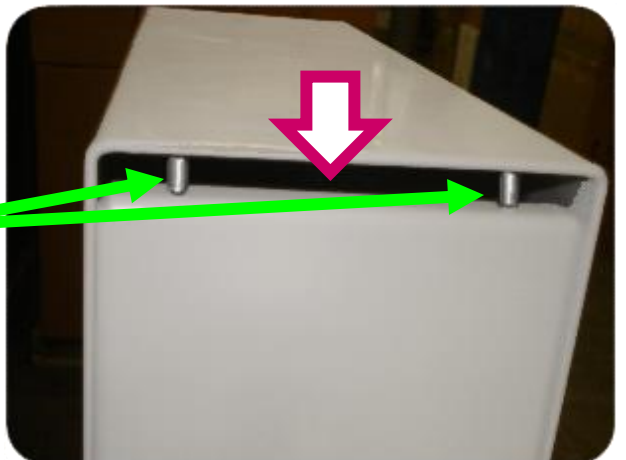

**19** Connect F1 of the WaveReader harness to the connector on the back of the reader.

20 Position the top Side Car cover so that the **two (2) retaining pins** at the back edge line up with their mating holes in the bottom cover. Tap the top cover down so that the pins are fully inserted.

Installation

21 Install the six (6) 6-32 x 3/8"Button Torx screws to secure the Side Car top cover to the bottom panel.   There are three (3) per side.

x 6
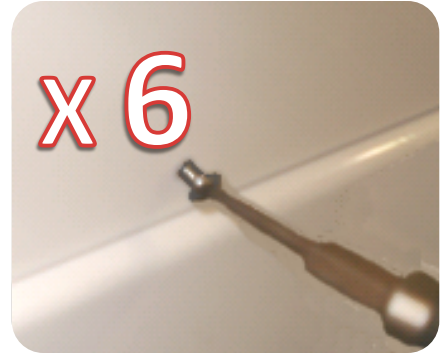
22

Finished assembly.

23 This machine can be programmed by removing the **3 pin connector** located to the left side of the board next to **COIN 1**. Removing this connector places the machine into service mode. Replacing the connector returns the machine to working state.

1. For **WaveReader** to function properly on this machine, it must be set to **Debit Only mode**.

2. Please make sure the **monetary sale value** on the machine **matches the value specified for card transactions.**
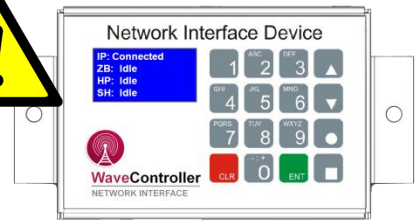
Testing

24 Once the unit has been reassembled, the entire WaveReader needs to be **tested** before being returned to service.

Network Interface Device

IP: Connected
ZB: Idle
HP: Idle
SH: Idle

WaveController
NETWORK INTERFACE

IMPORTANT
*The **WaveContoller** has to be operating and the machines linked to it before testing can be performed.*
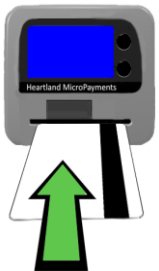
25

1. Drop 25c into the coin drop.

2. Verify that 25c is deposited into the machine. `.25`

3. Swipe a card, wait for the transaction to be approved and then press START on the WaveReader

4. Verify that the balance of the funds have been deposited into the machine and it is ready to start. `SELECT CYCLE  1.00`

26 Apply the self-adhesive sticker that displays the accepted card brands (supplied) in a clearly visible location .

27 Reattach all machine panels.