

WaveRider Installation



Single Machine

**Side-Car
Enclosure**

Coin & Card

Pulse Mode

**TOP OF MACHINE
MOUNTING**



Laundry Machine Model Numbers

This document applies to the WaveReader installation process following Dexter model numbers:

Washers

T-300.....WCAD20KCS
T-400.....WCAD30KCS
T-600.....WCAD40KCS
T-900.....WCAD60KCS
T-1200.....WCAD80KCS



**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

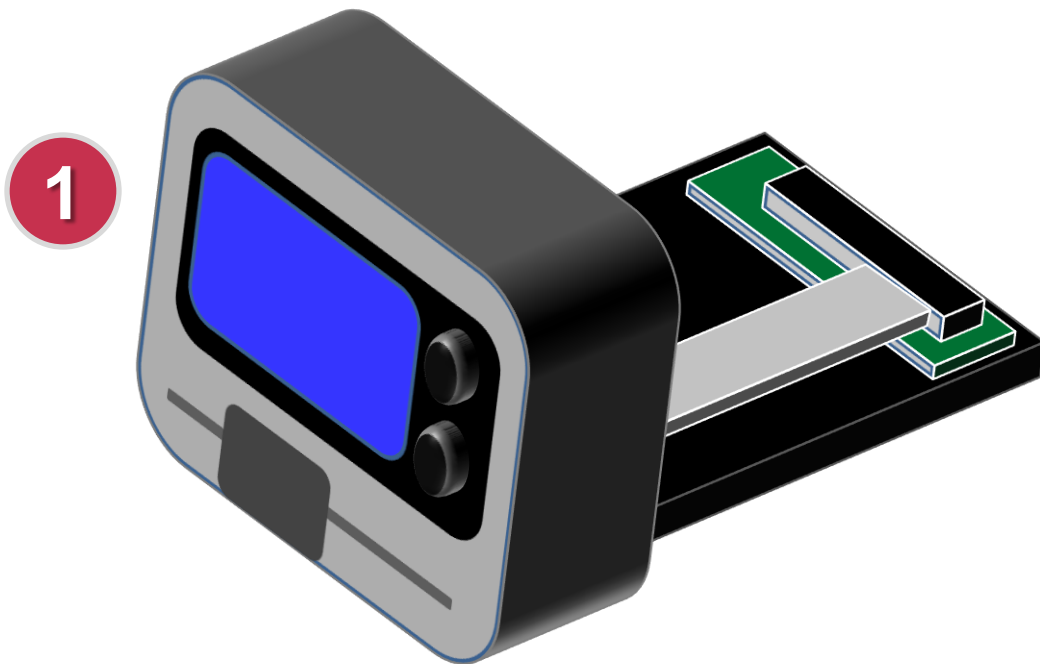
The following tables list the required tools & components for the installation process.

Required Tools

- #T-20 Pin-in-Star Torx Driver
- Phillips Head Screwdriver (med.) – magnetic tip is helpful
- Electric Drill – Heavy Duty
- 9/32” Drill Bit
- 7/8” Drill Bit (or Step Drill bit to match)
- 11/32” Nut Driver or Socket/Ratchet

WaveReader

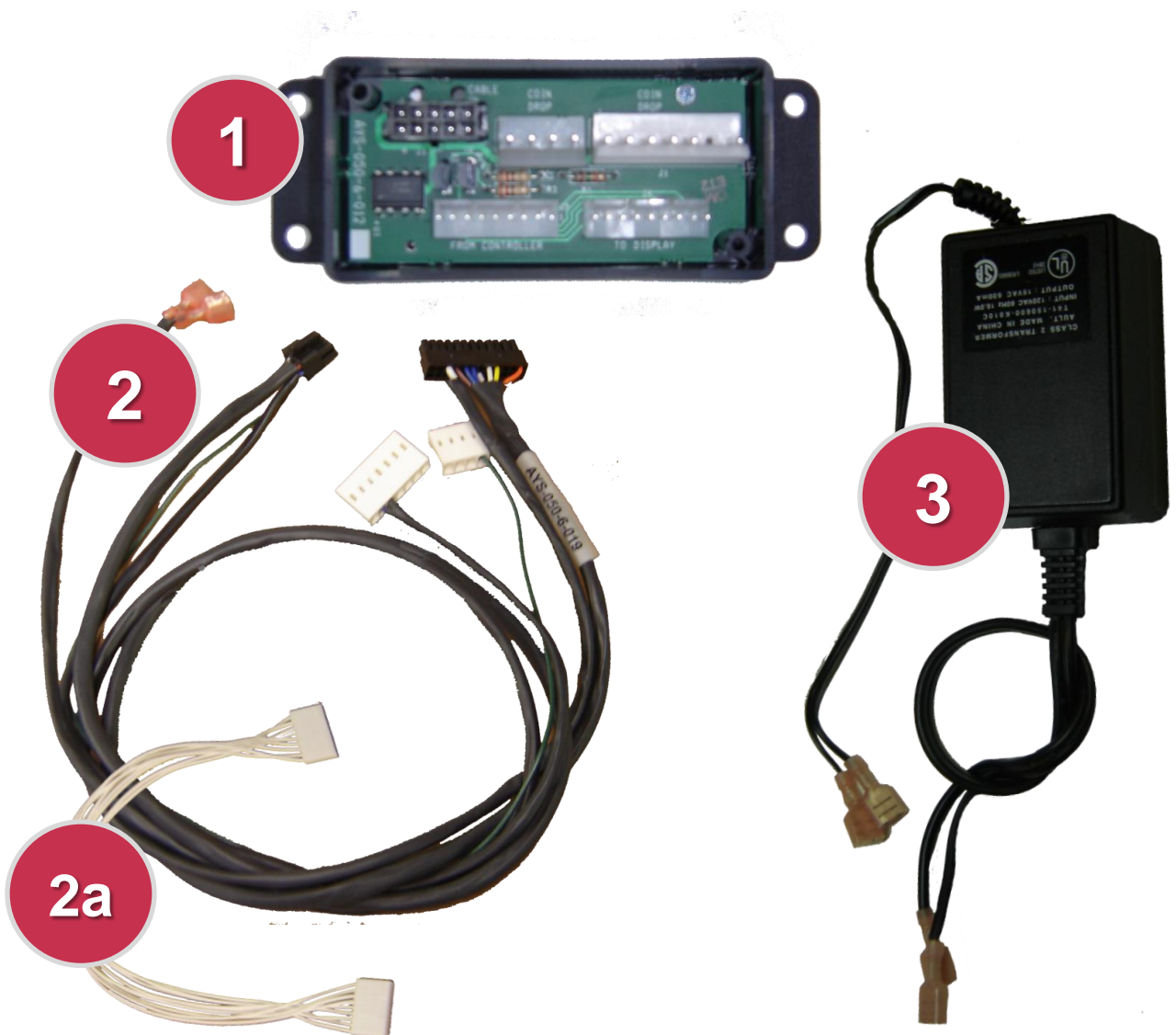
Item	Qty	Part Number	Description
1	1	WLAU-NNNNNN	WaveReader



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.

Interface Harness

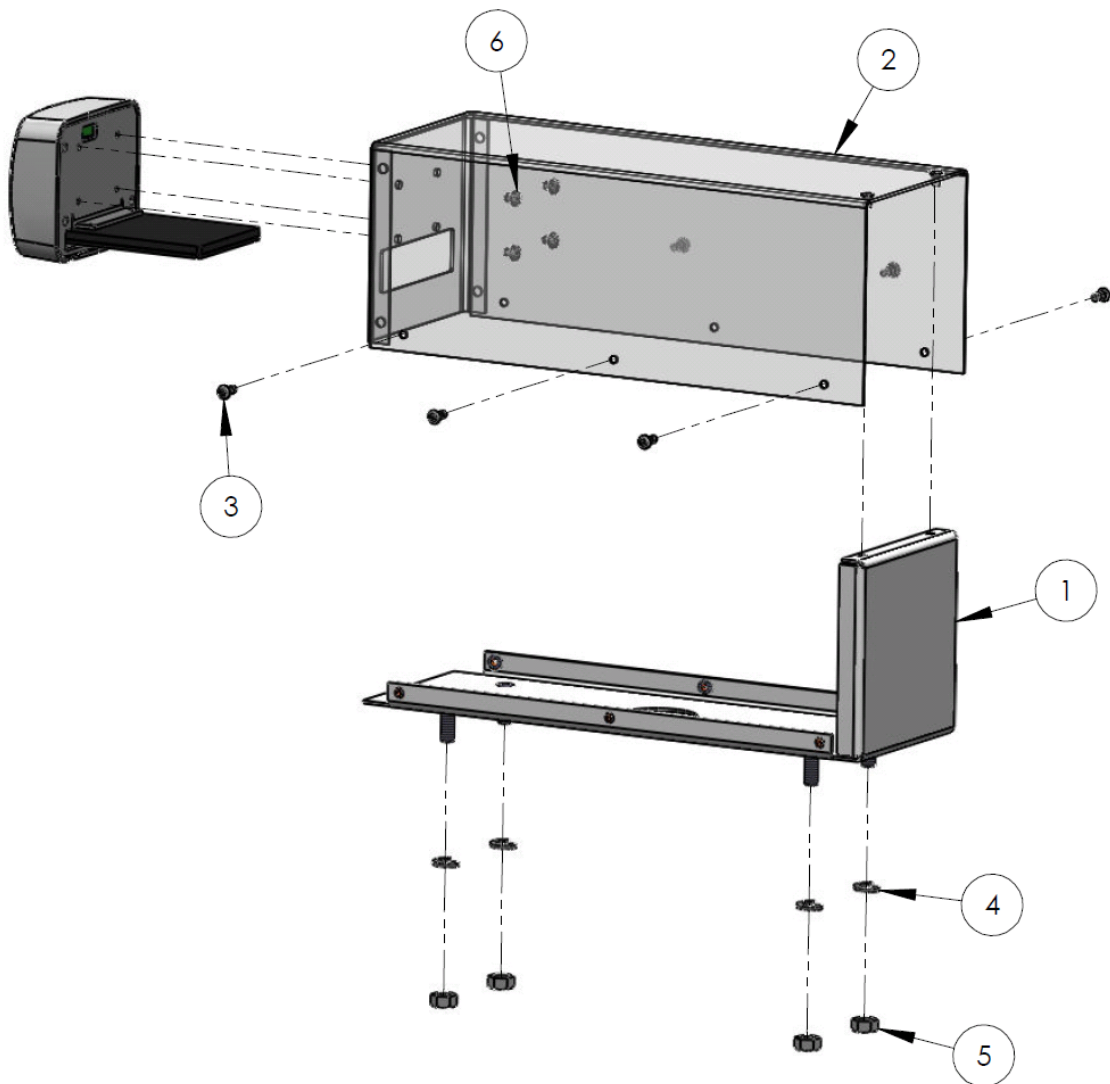
KIT-HRN-050-6-012			Harness Kit for Dexter Coin & Card
Item	Qty	Part Number	Description
1	1	AYS-050-6-012	Stuffed Dexter Coin Interface Board
2 – 2a	1	AYS-050-6-019	Cable, Dexter Pulse for WR + Coin (2 – part)
3	1	AYS-168110	110 VAC Transformer



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.

Side Car Housing

KIT-050-6-040			Side-Car Enclosure Kit (Surface Mount)
Item	Qty	Part Number	Description
1	1	MFP-050-6-A040	Side Car Surface Mount Bottom
2	1	MFP-050-6-032-011	Side Car Cover
3	6	SRW-632X.375BTSS	Screw 6-32 x 3/8" Button Torx Socket
4	4	WAS-1/4-20L	Washer 1/4-20 locking
5	4	NUT-4X20SH	Nut 1/4" – 20 Steel Hex
6	4	SRW-632X.188PPL	Screw 6-32 x 3/16" Pan Head Phil locking



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.



!! WARNING !!

MAKE SURE THAT ALL POWER HAS BEEN REMOVED FROM THE MACHINE BEFORE ATTEMPTING TO INSTALL ANY HARDWARE OR CABLING!

Preparation

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

Installation

1

Place the Side Car enclosure bottom on top of the Dexter top cover panel, and line it up as shown. Mark the location of the four (4) bottom mounting posts, and the center hole for drilling.



2

Completely remove the top cover of the washing machine, and drill the marked holes to size. Mount the bottom of the side-car cover to the machine top and set it aside.



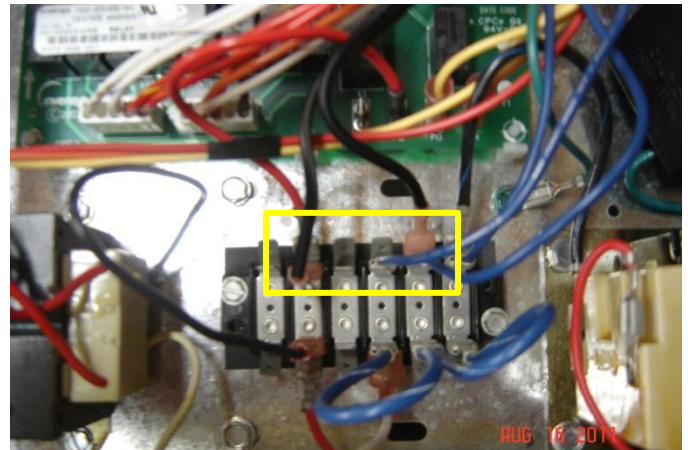
3

Locate the AC transformer supplied with the WaveReader installation kit.



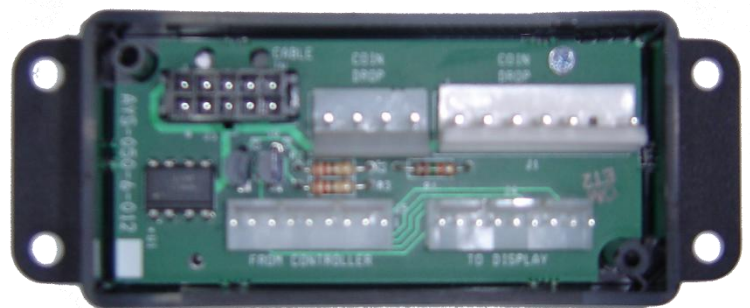
4

Connect the two spade lugs from the primary side of the transformer to the #2 and #5 lugs of the power distribution bar as shown.



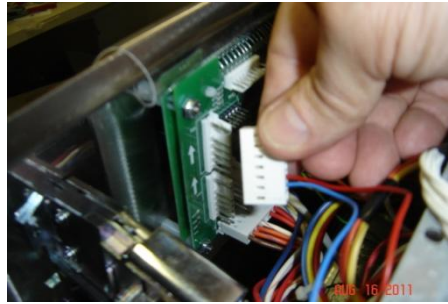
5

Locate the Dexter Interface Board supplied with the installation kit.



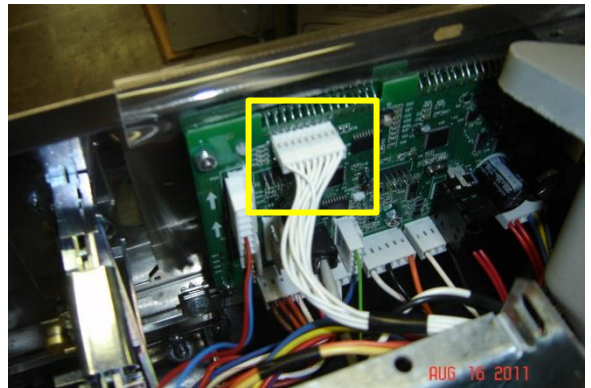
6

Disconnect the exiting coin-drop connectors from the control board.



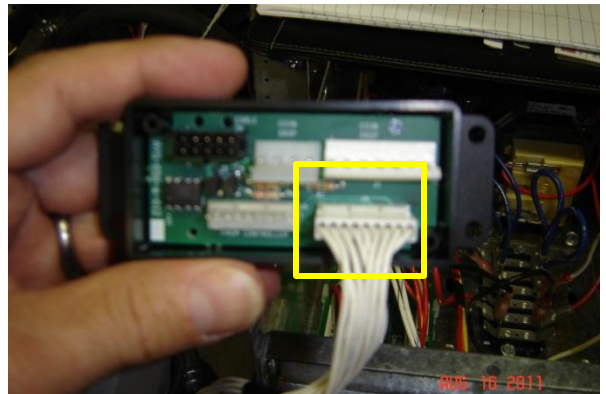
7

Disconnect the white-bundled display cable from the control board.



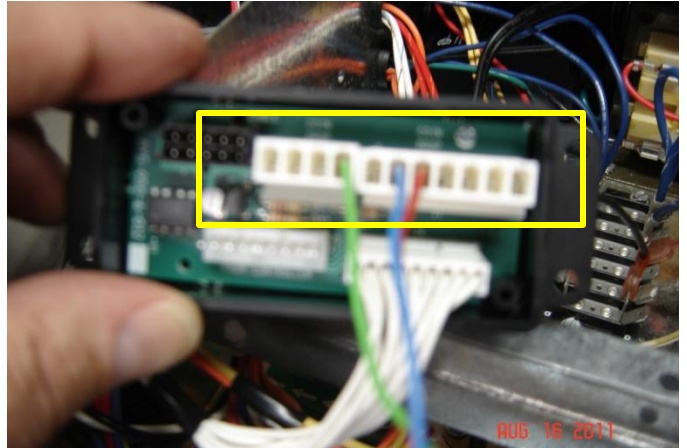
8

Connect the white-bundled Dexter display cable to the mating "To Display" connector on the Interface Board, as shown.



9

Connect the Dexter coin drop cables to their mating connectors (“Coin Drop / Coin Drop” on the Interface Board, as shown.



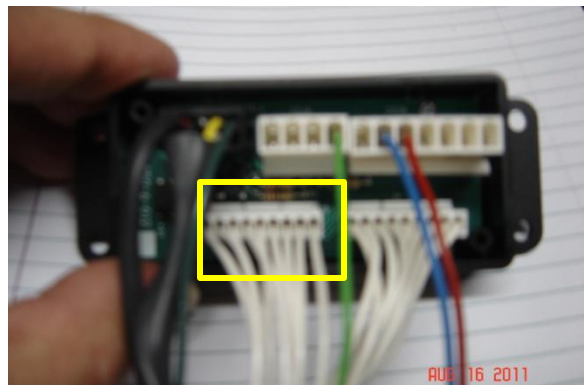
10

Locate the WaveRider / Dexter display harness that was supplied with the installation kit.



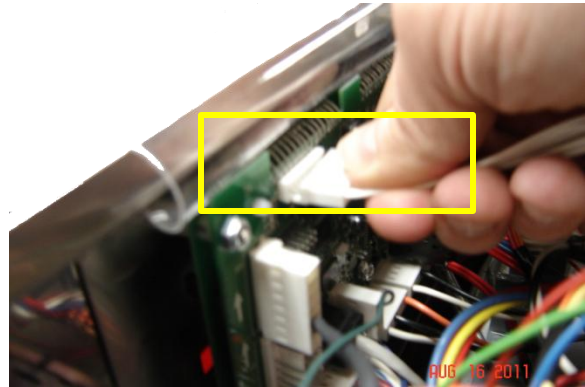
11

Connect one end (they are the same) to the ‘From Controller’ connector on the Interface Board, as shown.



12

Connect the other end to the Dexter control board, as shown...



13

Locate the WaveRider/Dexter interface harness supplied with the installation kit.

It has multiple ends, as shown.



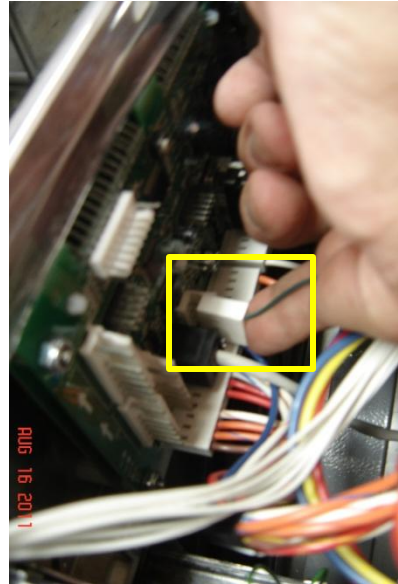
14

Connect the 10-Pin, black connector of the WaveReader harness to the "Cable In" connector of the Interface Board.



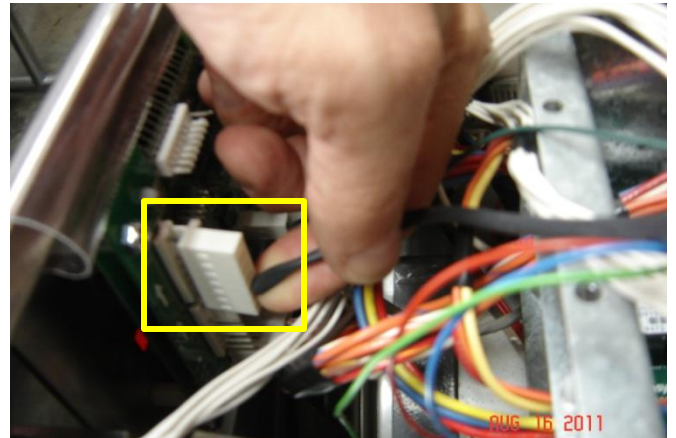
15

Connect the 4-position white connector (it will have one green wire) of the WaveReader harness to the Dexter control board, at the same place that the coin-drop was disconnected from.



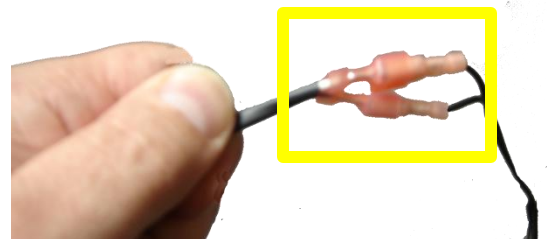
16

Connect the 7-position white connector of the WaveReader harness to the Dexter control board, at the same place that the coin-drop was disconnected from.



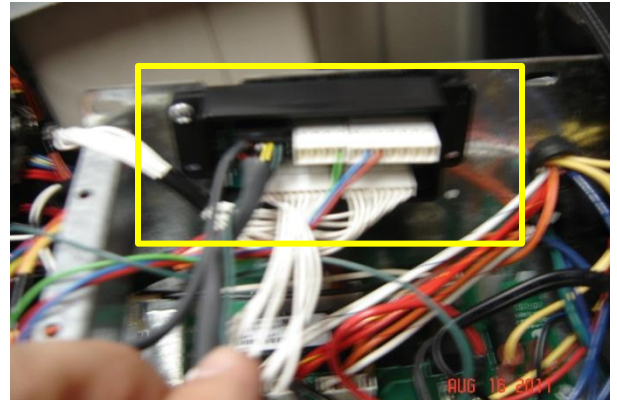
17

Connect the two spade lugs of the secondary side (thin wires) coming from the supplied transformer to their mating ends on the machine interface harness.



18

Securely mount the Interface Board in a suitable location, as shown. Mounting holes are provided for screws.



19

Replace the machine's top cover with the side-car bottom attached. Do not secure the top cover.

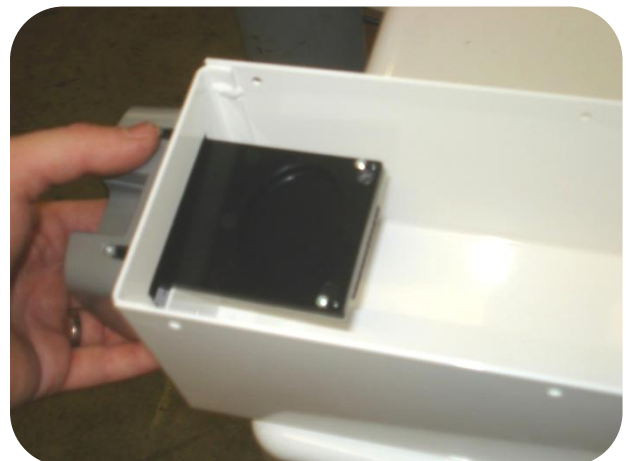


With the top cover raised slightly, feed the WaveReader end of the cable harness through the hole in the side-car bottom.



20

Locate the top cover of the Side Car Kit. Insert the WaveReader into the cover as shown and position cover to align the holes with those on the back of the WaveReader.



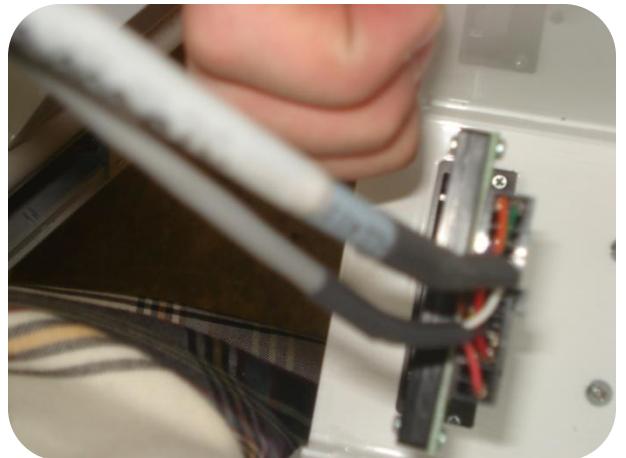
21

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.



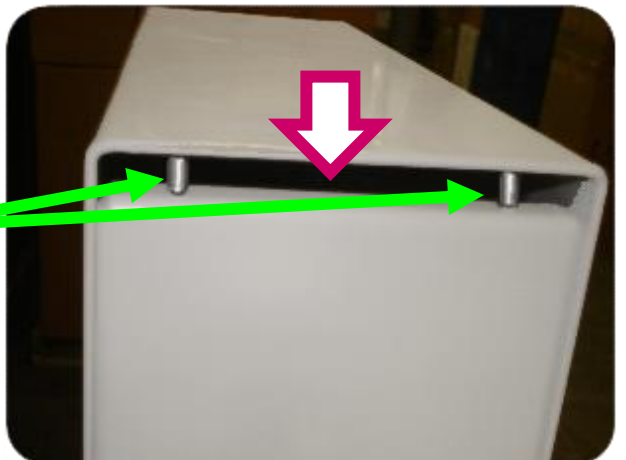
22

Connect the large, free end (J1) of the WaveReader harness that was pulled through the hole to the connector on the back of the reader.



23

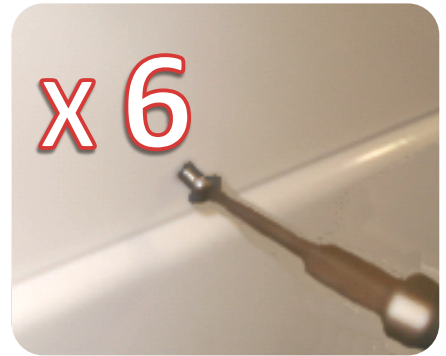
Position the top Side Car cover so that the **two (2) retaining pins** at the back edge line up with their mating holes in the bottom cover. Tap the top cover down so that the pins are fully inserted.



Installation

24

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.



25



Finished
assembly.

26

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



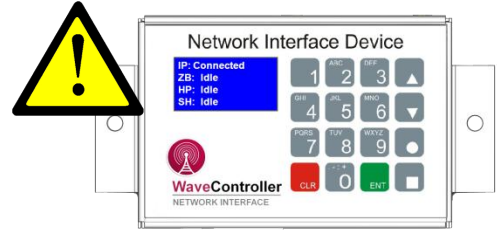
27

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



28

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



IMPORTANT

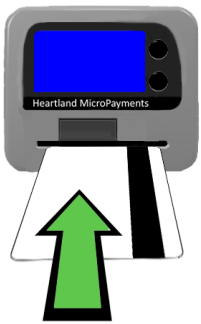
*The **WaveController** has to be operating and the machines linked to it before testing can be performed.*

29

1. Drop 25c into the coin drop.



2. Verify the machine has recognized the coin and deducted 25c from the total price.



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

4. Verify that machine has received all of the funds required for a cycle and it is ready to start. Note – the card will be charged a full cycle price. You are only verifying that the machine is receiving pulses from both the coin drop and the card reader, appropriately.

30

Secure all machine panels.