

WaveRider Installation Speed Queen®



**Single & Stack
Machines**

**Serial Mode
(MDC & Quantum)**

**PREP FOR COIN
CARD ONLY OPERATION**

Coin Box Mount



Laundry Machine Types

This document applies to the WaveReader installation process for the following Alliance/Speed Queen/Heubsch type of machines:

**FRONT CONTROL, PREP FOR COIN, SERIAL
(MDC, Quantum), CARD ONLY OPERATION**



**If you are not certain that these instructions will apply to the machine you are installing, please contact MicroPayments Customer Service at:
Tel: 800-332-4835 Press 2**

Installation Kit Contents & Required Tools

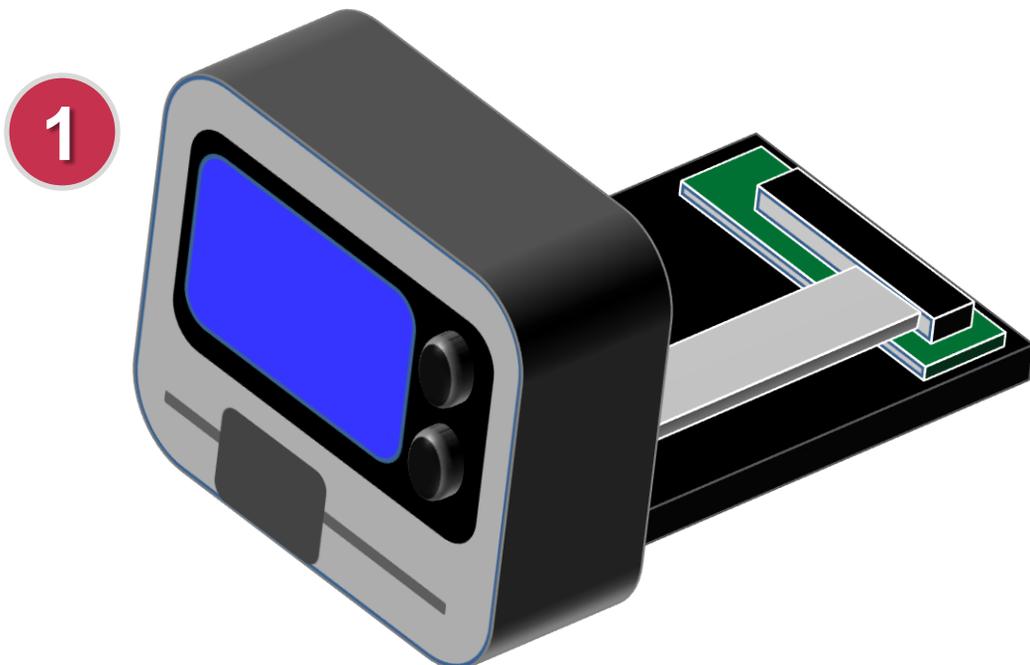
This following tables list the required tools & components for the installation process. If you cannot locate and/or identify any of the components listed above, please contact MicroPayments Customer Service at 800-332-4835 , then press 2.

Required Tools

- **Phillips Head Screwdriver (medium)**
- **Ratchet & Socket set**

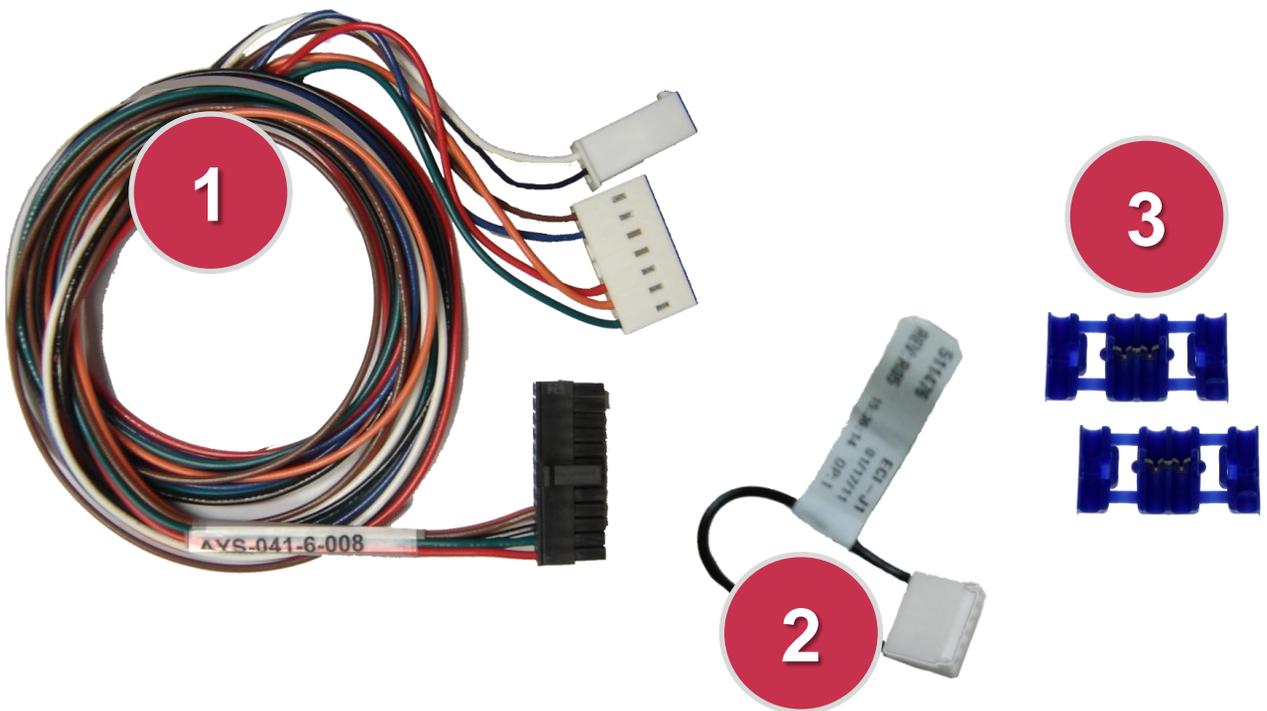
WaveReader

Item	Qty	Part Number	Description
1	1	WLAU-NNNNNN	WaveReader



Interface Harness

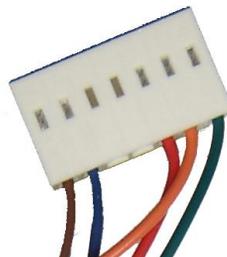
KIT-HRN-041-6-008			Harness Kit for Speed Queen Card Only
Item	Qty	Part Number	Description
1	1	AYS-041-6-008	Cable, Speed Queen MDC Card Only
2	1	MFP-175009	SLIM SQ JUMPER 776P3/511476
3	2	CNR-53440-1	TAP SPLICE, 18-14 AVGAMP53440-1 <i>(These may not be used)</i>



To WaveReader



To Control Board



To Power



To Reader-Present
 Jumper on Control
 Board



Bracket Kits

KIT-050-6-900 or KIT-050-6-901			Speed Queen MDC Bracket Kit (Coin Box Mounting)
Item	Qty	Part Number	Description
1	1	MFP-050-6-900 <i>or...</i> MFP-050-6-901	Mounting Bracket for WaveReader for Speed Queen coin box (900 = Short, 901 = Tall)
2	1	SRW-1032X.50HM	Screw Hex Head 10-32 thread 1/2" length
3	1	WAS-#10F	Washer, #10, Flat
4	4	SRW-632X.125PM	Screw 6-32 thread x 1/8" Pan hd Philip





!! 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

Unlock the service panel so that you can access the control board, coin drop, and coin vault.



2

If required, remove the current coin drop & coin vault



3

Attach the WaveReader to the bracket with the four SRW-632X.125PM screws provided.



DO NOT USE ANY OTHERS SCREWS TO ATTACH THE READER. DOING SO MAY DAMAGE THE READER AND VOID THE WARRANTY!



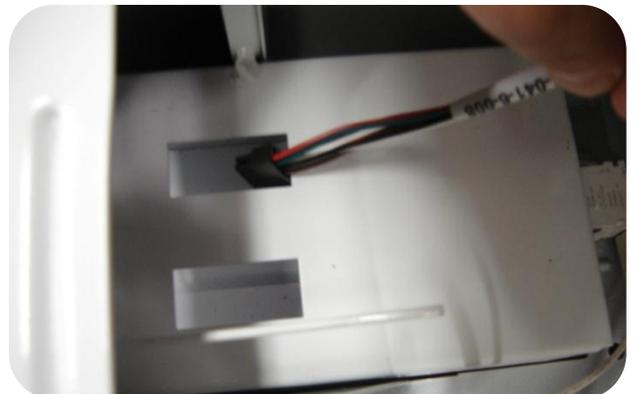
3

The completed assembly looks like this...



4

Insert the Wave Reader harness into one of the coin box access holes.



Installation

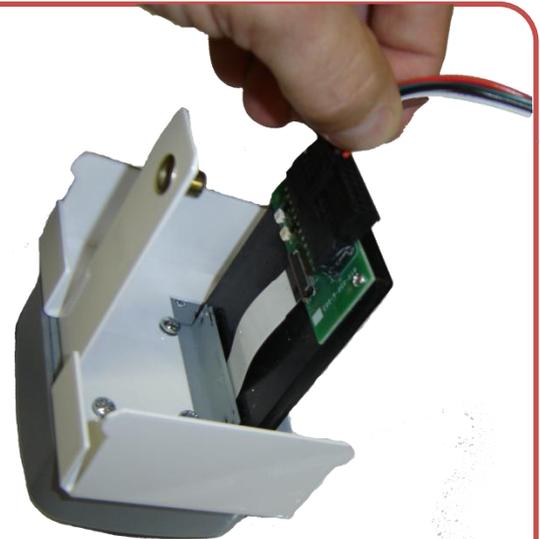
5

Pull the harness through the opening so that you have plenty of slack to work with.



6

Connect the end of the harness to the WaveReader.



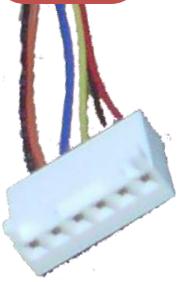
7

Insert the reader & bracket into the coin box opening, feeding the cable slack to ensure that no wires are pinched.



DO NOT SECURE READER TO THE MACHINE AT THIS TIME.

8



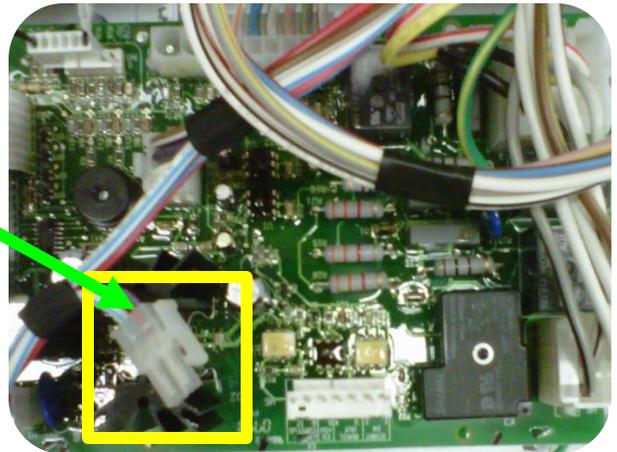
On the main panel, connect **J3** of the WaveReader harness to the **H5** connector on the Speed Queen control board, in the yellow box. On some boards (e.g. Quantum) the connector may be labeled **H4**.



9

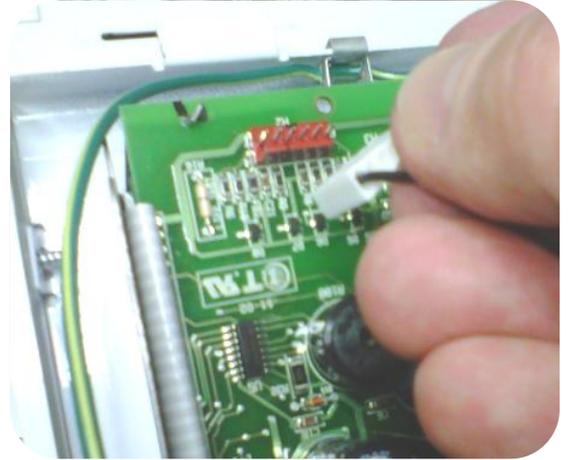


On the main panel, connect **J2** of the WaveReader harness to the **H1** connector on the Speed Queen control board, in the yellow box.



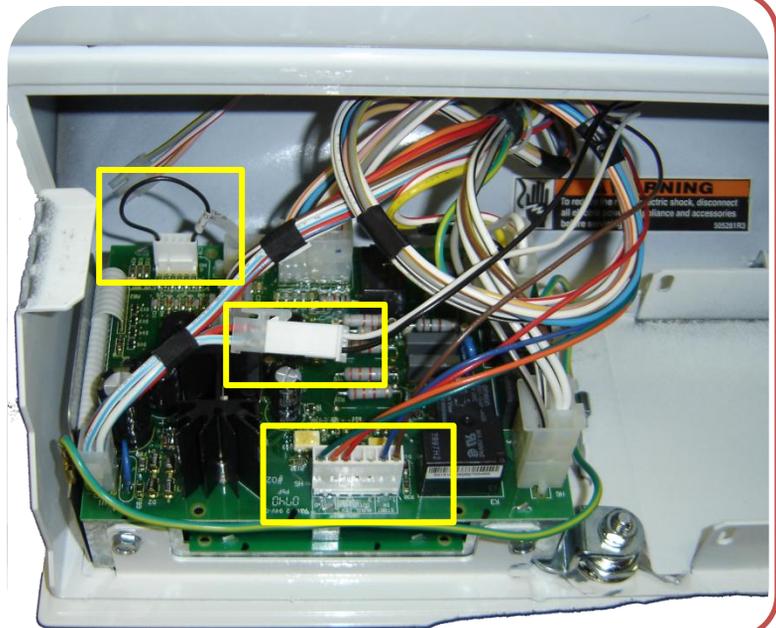
10

Locate the **Reader-Present / Serial Jumper** that was supplied and install it on the control board. On most control boards the connector is labeled H8.



11

When completed, the wiring assembly should look like this...



12

Re-latch all service panels that are required for testing (before securing card reader and dressing all harnesses).



13



Apply power to the laundry machine for testing purposes. If the WaveReader does not power-up:



Make sure 4-position connector from machine transformer (red wires) has all 4 positions loaded with wires. If only 2 positions are loaded (as in picture), there is no power to the reader.

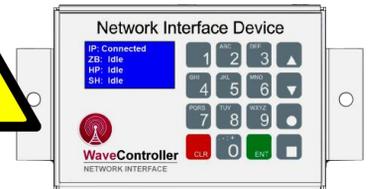


Using blue splice connectors, included with the WaveReader cable harness, splice together like-colored wires on the machine side of the 4-position connector (red/blue-red/blue & white/blue-white/blue).



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Before the WaveReader has been fully secured, it should be **tested** to ensure that all components are operating correctly.



IMPORTANT

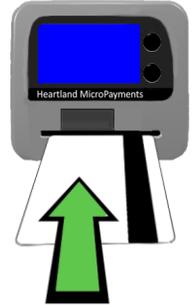
The WaveController has to be operating and the machines linked to it before testing can be performed.

15

1. Swipe a card, and wait for the transaction to be approved



2. Verify that the funds are available and it is ready to start.



3. Select a cycle and press



16



Disconnect Power from the laundry machine before proceeding.

17

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

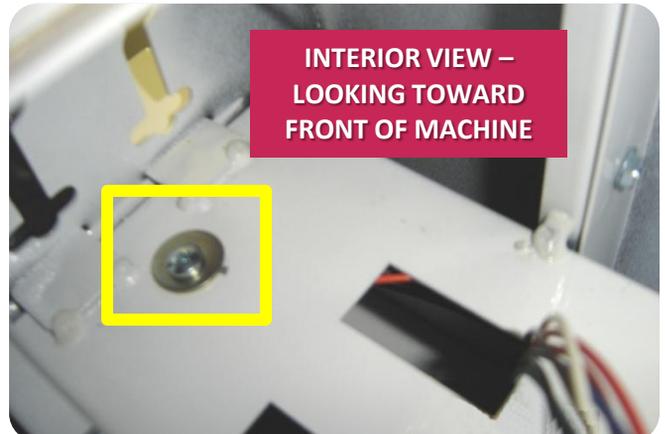


Failure to perform this step could void the product warranty.



18

Using a ratchet driver. Bolt the reader bracket to the machine with the SRW-1032X.50HM screw and #10 washer.



FINAL STEPS

19

Apply the self-adhesive coin drop cover label to the machine.



20

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

This label is required by the credit card issuers.

If you require additional stickers, contact us at 800-332-4835 as soon as possible.



21

Lock the service panel.



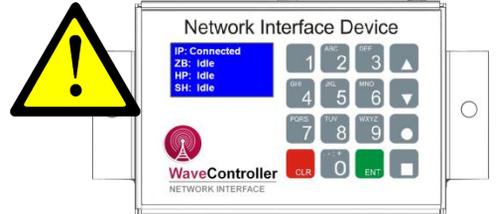
22



Apply power to the laundry machine.

23

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



IMPORTANT

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

24

1. Swipe a card, and wait for the transaction to be approved



2. Verify that the funds are available and it is ready to start.

3. Select a cycle and press

