WaveRider Installation

Speed Queen®

VISA **MasterCard**

Single Washers

Pulse-Hybrid Mode

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:

REAR CONTROL with METER CASE,
PREP FOR COIN,
PULSE-HYBRID MODE,
CARD ONLY OPERATION

EXAMPLE: SWT 920

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

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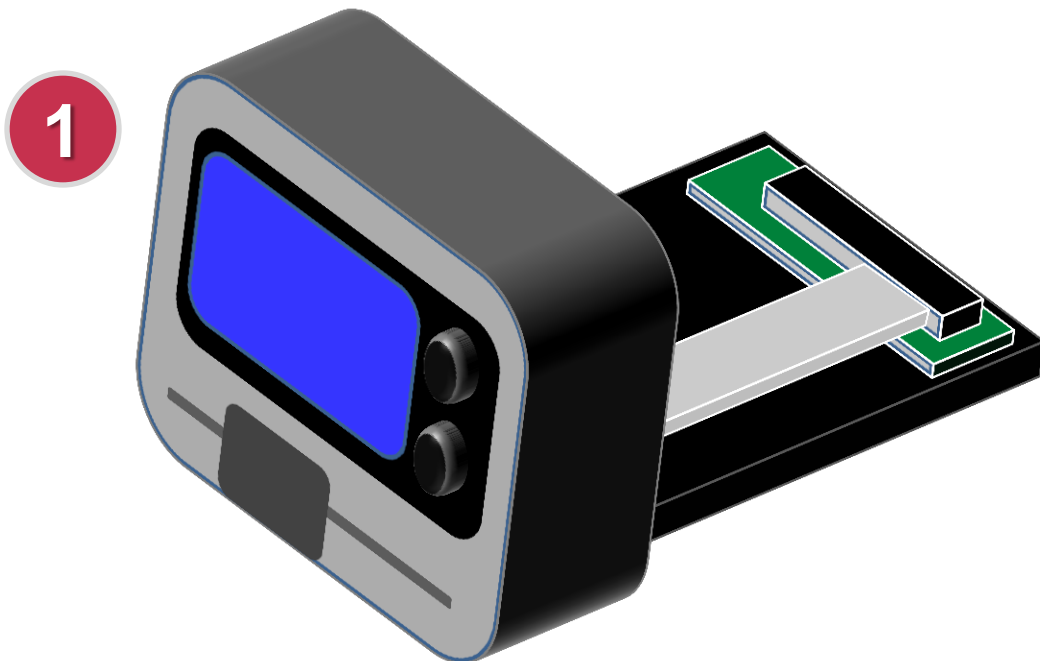PAYMENT SYSTEMS®
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This following tables list the required tools & components for the installation process. If you cannot locate and/or identify any of the components listed above, please contact MicroPayments Customer Service at 800-332-4835 , then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

Required Tools

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

WaveReader

Item	Qty	Part Number	Description
1	1	WLAU-NNNNNN	WaveReader

Interface Harness

KIT-HRN-041-6-005			Harness Kit for Speed Queen Card Only
Item	Qty	Part Number	Description
1	1	AYS-041-6-005	Cable, Speed Queen Pulse-Hybrid Card Only
2	1	AYS-168110	110 TRANSFORMER KITSLIM 110VAC:18VAC
3	2	HDW-TAP250-F18	18-22AWG TAPSPLICE3M
4	3	PUR-CABLE-TIE	CABLE TIE WRAP PANDUIT PLT1.5M-M
5	3	PUR-CABTIECLAMP	CABLE TIE CLAMP PANDUIT# ABM2S-A-D

Bracket Kits

KIT-050-6-900 or KIT-050-6-901			Speed Queen Bracket Kit (Coin Box Mounting)
Item	Qty	Part Number	Description
1	1	MFP-050-6-900 *or…* 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
5	1	-N/A-	Credit Card Issuer Label

Coin Drop Cover Plate

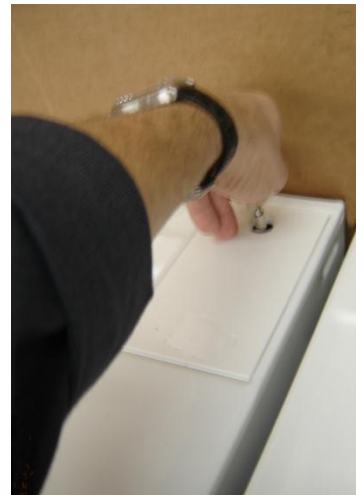| ART-ART-050-6-002			SQ Instruction Label/Cover
Item	Qty	Part Number	Description
6	1	ART-050-6-002	Self-adhesive coin drop cover plate

Preparation

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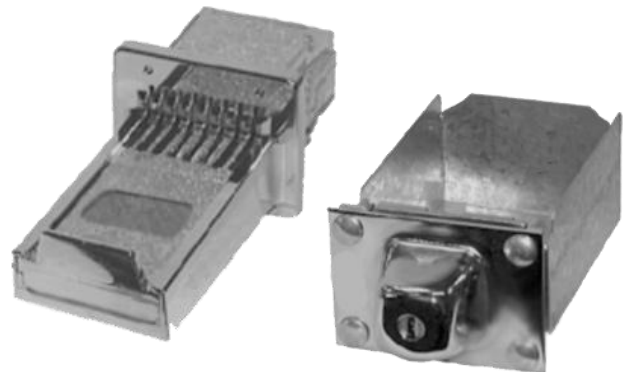
Installation

1 Drop the backsplash and unlock the service panel so that you can access the control board, coin drop, and coin vault.
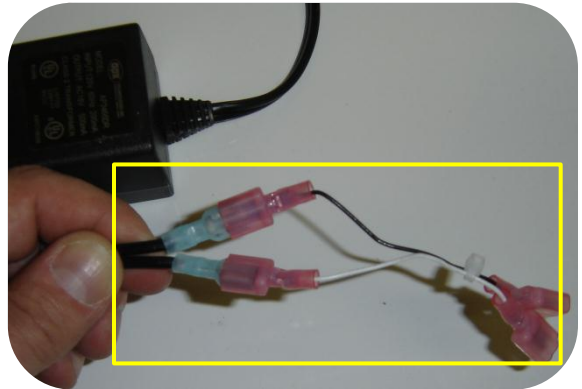
2

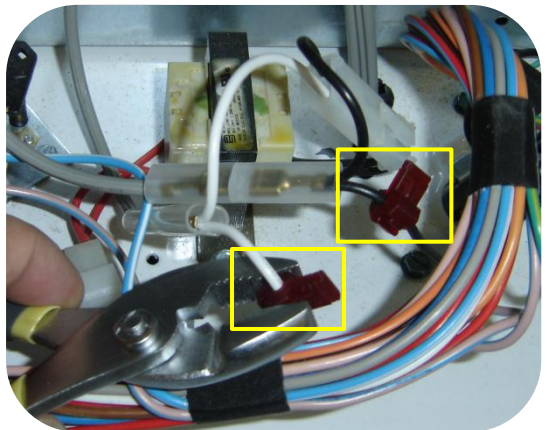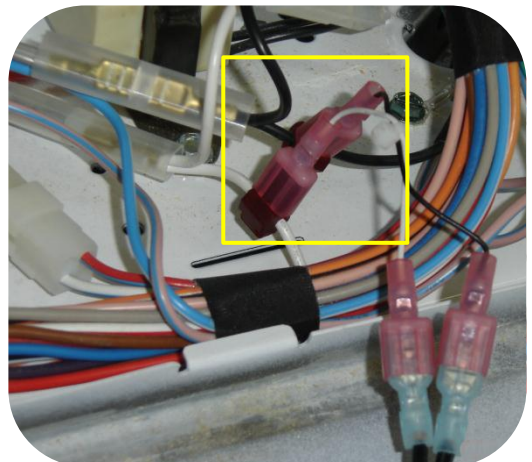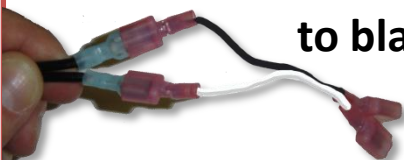If required, remove the current coin slide & coin vault

Installation

3 Locate the power adapter harness and transformer. Attach two of the .250 spade-lugs to the 120VAC mating connectors on the transformer, as shown. Typically, they are light blue.   Polarity matching is not required.

4 Inside the back-splash of the machine, locate the main AC power lines coming out of the internal transformer. Install the .250 tap-splices (one on white, one on black) as shown.
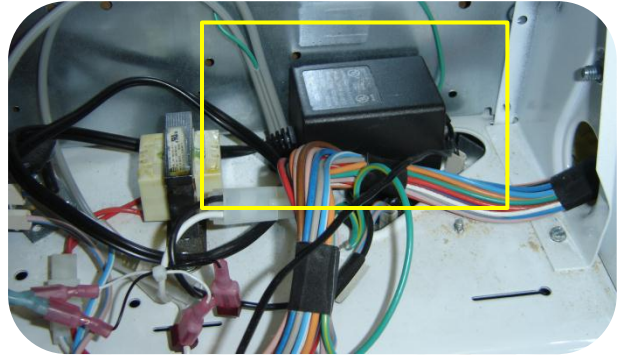
5 Connect the matching .250 spade-lugs to the taps that you just installed. **White wire to white wire, black wire to black wire**.
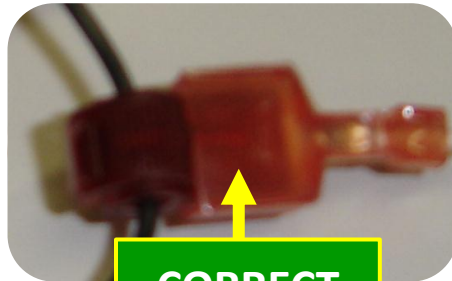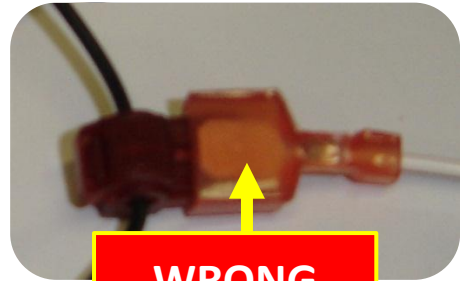
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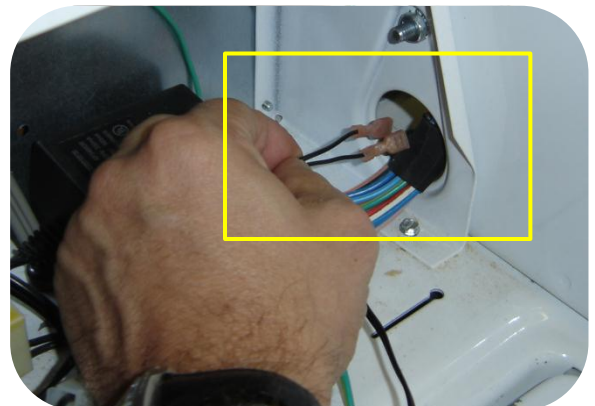PAYMENT SYSTEMS®
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6 Place the transformer into recess of the back-splash. Ensure that no wires are pinched.

7 ⚠️ **Please note:** Take care to connect the spade-lugs properly. It is possible to misalign the tabs. No part of the metal 'blade' inside the female connector should be visible. Examine your connections to ensure that they are correct.

CORRECT

WRONG

8 Feed the unconnected wires on the secondary side (18V) of the WaveReader transformer through the access hole on the right side of the back-slash and into the meter case.
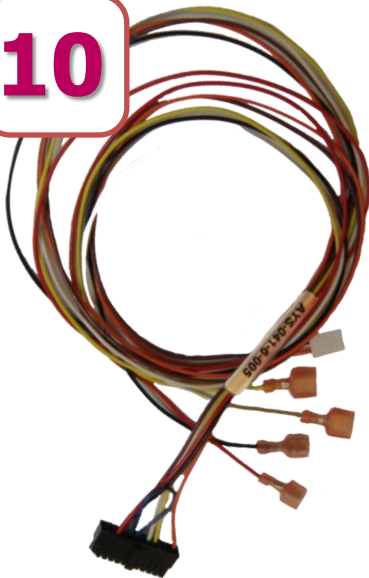
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9 Pull the power harness through the service door opening so that you have plenty of slack to work with.
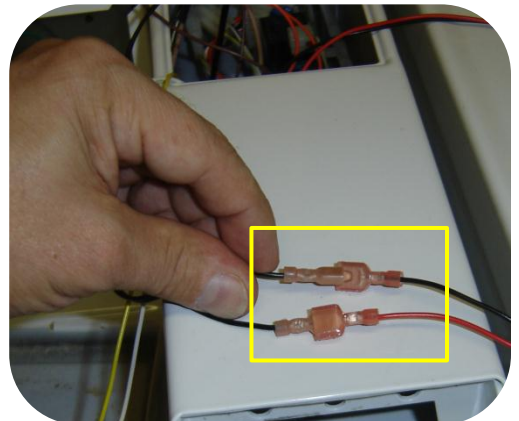

10 Route the main interface harness through the top of the service door, so that the card-reader connector comes through the coin-vault opening of the meter case. Make sure you have slack to work with.
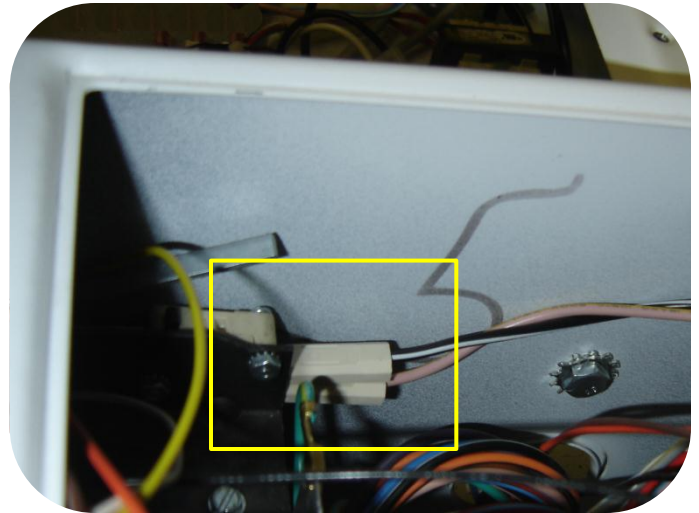

11 Connect the free ends of the WaveReader transformer cable (Step 5) to the mating connectors of the Black and Red wires of the main interface harness from Step 8. Polarity matching is not required.

Note: your harness may be jacketed, if so, make sure you use the cable that is **2-conductor RED & BLACK.**
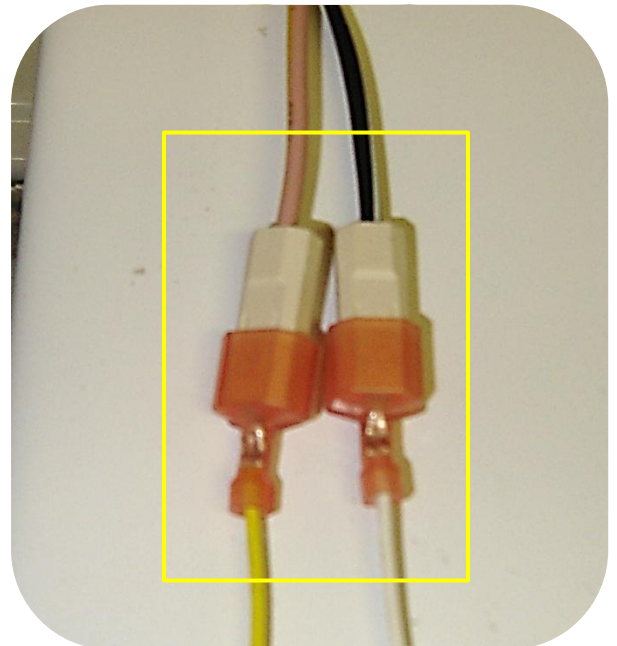
12

Looking inside the service door opening of the meter case, locate the coin-slide switch connectors (they are on the left side). Disconnect the **Black/White** and **Pink/Yellow** wires.

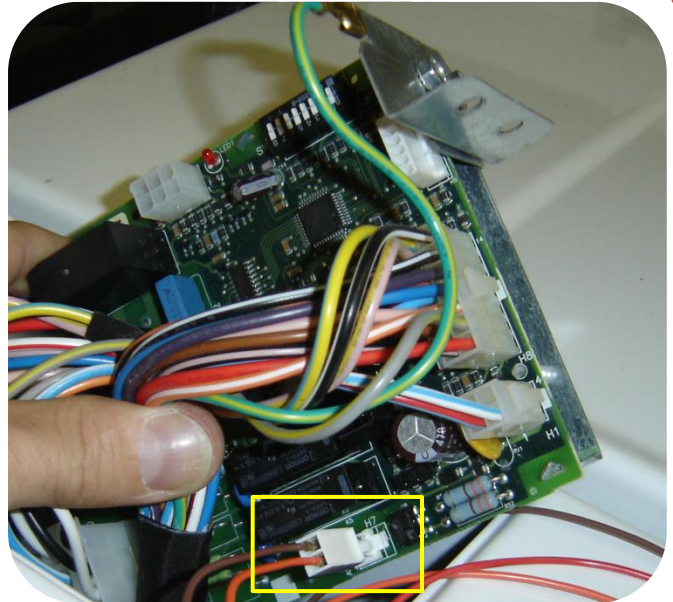**13**

On the WaveReader main interface harness, locate the White and Yellow wires.

Connect the:
Yellow wire to the **Pink/Yellow** coin-slide switch wire and the

White wire to the **Black/White** coin-slide switch wire

Installation

14 Looking inside the service door opening, remove the retaining screw(s) that secure the control board. Lift the control board high enough that you can see the H7 connector a the bottom of the board.

Attach the **Brown & Orange** wires of the WaveReader interface harness to this connector (orange on bottom), then re-secure the control board in the machine.

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

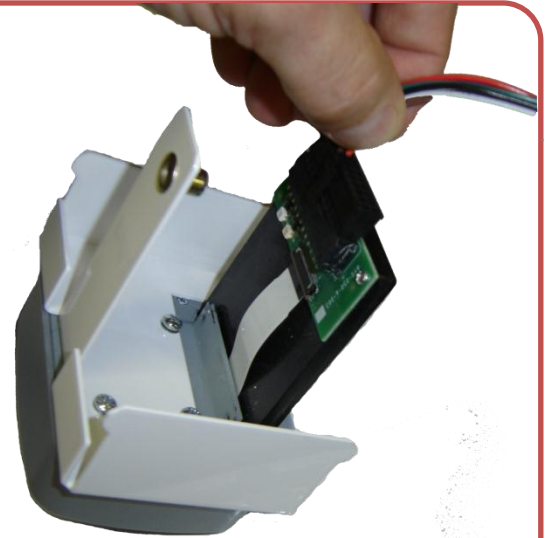*DO NOT USE ANY OTHERS SCREWS TO ATTACH THE READER. DOING SO MAY DAMAGE THE READER AND VOID THE WARRANTY!*
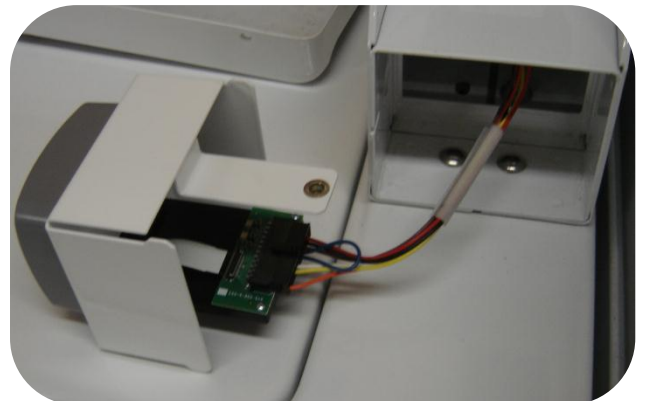
16 The completed assembly looks like this...

17 Connect the end of the harness to the WaveReader.

18 The WaveReader is now ready to be inserted into the coin-vault opening.

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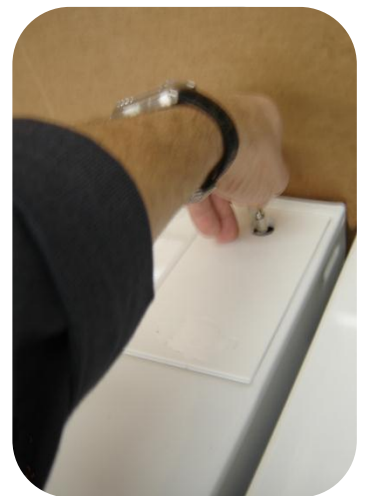PAYMENT SYSTEMS®
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19 Insert the reader & bracket into the coin box opening, feeding the cable slack to ensure that no wires are pinched.

DO NOT SECURE READER TO THE MACHINE AT THIS TIME.

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

21 **Apply power to the laundry machine for testing purposes, only.**

State: 01
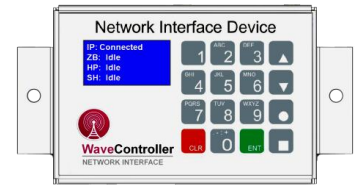PAN: 2429
ZG: 3AD974
ID: MACHINE ID

Testing

22

Before the WaveReader has been fully secured, it should be **tested** to ensure that all components are operating correctly. Link the WaveReader to the WaveController and verify that the reader has received its' configuration.

23

Test procedure for Washers & Dryers

WASHERS   DRYERS

1

Select your laundry cycle

2

Swipe your credit or debit card - **stripe up and to the right**

3

Press the top ⬤ button to the right of the ✓

4

PUSH TO START

Push START on Dryer

24

⚠️

If the test was successful, _disconnect_ power from the laundry machine, and proceed to step 25. If the test cycle failed, refer to the "WaveRider Trouble-Shooting Guide" to resolve the issue, before proceeding to step 25.

25

Open the service panel and back-splash. 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.

26

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

FINAL STEPS

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

28 Apply the self-adhesive sticker that displays the accepted card brands (supplied) in a clearly visible location .
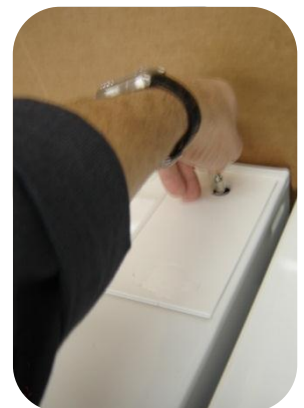
This label is required by the credit card issuers.

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

29 Lock the service panel(s).

30 ⚠️ **Apply power to the laundry machine.**

31 **Re-test the machine, as shown in step 23. If the test is successful, the machine is now in service.**