



## H-Series Field Service Bulletin

**Document Title: DESCRIPTION OF BUZZER SOUNDS FOR H650 AND H652 PRINTERS**

**Affected Product: H650 AND H652**

**Date: 11/14/11**

**Control Number: FSB-00196 Rev. B**

### Purpose

This Rastek® FSB explains the different buzzer sounds of the H650 and H652 printers and how to identify each. This FSB will guide the service technician/engineer or printer operator and help identify the operational sound messages and/or warnings when operating the printers identified in this document.

### Introduction

The H650/H652 printers are equipped with a buzzer that is used to sound a different buzzing pulse combination according to alarm identification. A certain sound may be considered as a warning message or a fatal error/problem. The buzzer is fixed in the ink supply compartment and is connected to a multi-function board.

### Responsibility

All service technicians/engineers and machine operators must read thoroughly the content of this FSB so that the descriptions of all buzzer sounds are fully understood.

### Safety and Precaution

Please read and follow all safety precautions provided in the manual as well as any safety measures presented to you during any hands-on printer operation and maintenance training provided. When any of the buzzer sounds described herein go off, *don't panic!* Analyze the description of the buzzing sound and try to fix it.

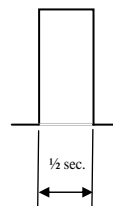
### Description of the Buzzer Sounds

#### Ink Purging Operation

Ink purge switch is pressed.

**Buzzer Sound:** Buzzer sounds for 0.5 second duration once every time the CKD pressure sensor registers a pressure more than +15KPa.

**Remedy:** *This is normal.* Remember to press ink purge switch for about 3 seconds then stop. This buzzer sound always triggers when the switch is pressed for more than 3 seconds.

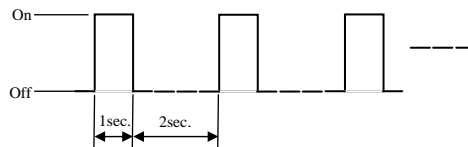


**Figure 1: Ink Purge Buzzer Waveform**

## Ink Supply Problem

**Buzzer Sound:** Buzzer sounds for 1 second *once* and then repeats in intervals of 2 seconds. The safety interlock program is enabled → a 25-second watchdog timer has elapsed.

**Remedy:** Check which channel of the color line ink supply circuit is not refilling the corresponding ink tank and perform the appropriate corrective action or; power-off the printer and power-on after 10 seconds.



**Figure 2: Ink Supply Problem Buzzer Waveform**

## Negative Pressure System Problem

**Buzzer Sound:** Buzzer sounds for 1 second *twice* and off for 2 seconds. The negative pressure indicator (CKD) registers zero reading.

**Remedy:** Check which channel of CMYK ink supply circuit or White ink supply circuit that has an overflow. The IPT1 or Overflow Tank1 (CMYK) or the IPT2 or Overflow Tank2 (White) is full, please empty the overflow tank.

**Note:** *Further investigation must be done concerning the occurrence of overflow condition.*



**Figure 3: Negative Pressure Problem Buzzer Waveform**

## Movement Control System Problem

**Buzzer Sound:** Buzzer sounds for 1 second *three times* and off for 2 seconds. The carriage is not at “home position”.

**Remedy:** Check/Move the position of the x-axis print head carriage to home position.

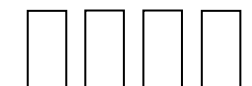


**Figure 4: Movement Control System Problem Buzzer Waveform**

## Warning for “Carriage in Motion”

**Buzzer Sound:** Buzzer sounds for *four times* at one second duration. The carriage is about to move!

**Note:** *This is just a warning for printer operations personnel to stand clear of carriage in motion.*



**Figure 5: Carriage in Motion Buzzer Waveform**

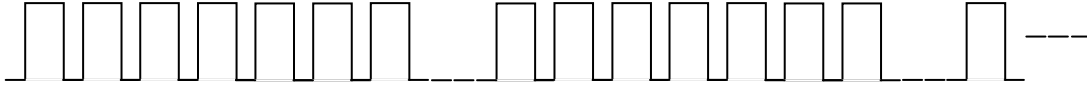
### Warning for Ink Supply Bottle Low Level

*Buzzer Sound:* Buzzer sounds for 1 second *seven times* and off for 2 seconds.

One or more ink supply bottles is/are empty or there is an ink low-level condition.

*Remedy:* Check which ink supply bottle needs to be replenished / changed.

*Note:* **This is just a warning! The machine will still run for quite some time but needs operator's immediate attention.**



**Figure 6: Ink Supply Bottle Low Buzzer Waveform**

### End of Procedure

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