

**SHEET, SINGLE &  
SAME NUMBER  
REPLACEMENTS  
EXPLAINED**

If you are fortunate enough to have access to bricks of CTC notes, you already know most of the following information. If you do not check bricks, then this information will help you understand what we mean when we talk about sheet, single and same number replacements.

The Canadian Bank Note Company prints CTC coupons in large quantities. The coupons are printed on sheets of paper with 5 coupons across and 10 down for a total of 50 coupons per sheet. The numbering is done 1,000 sheets at a time. Only after these 1,000 sheets are printed and numbered are they cut into individual coupons (50,000 coupons) and bundled 500 coupons per brick.

The numbering process starts in reverse order with coupon 0,000,000,000 in the top left corner. The sheets are printed in reverse order because they will come out of the press one sheet at a time and accumulate from the bottom (999) to the top (000) and will therefore end up in the correct order. Because there will be 1,000 sheets numbered in one printing run, the number on this first sheet and to the right of this first coupon will be number 0000001000. The coupon to the right of this one will be 0000002000. This numbering across, then down, continues until the last coupon in the bottom right corner of that first sheet is 0000049000.

In the following picture, the sample sheet has the number 0000000000 in the top left corner. This sheet is the first in a run of 1,000 sheets. Notice the coupon to the right of the top left corner is 1,000 higher, the next right is another 1,000 higher, and so on. The fourth and fifth digits from the right are important - they identify the sheet position of each note. For the first 1000 sheets, the top left number is 00 and the bottom right number is 49.

0000000000 5¢ 5¢	0000001000 5¢ 5¢	0000002000 5¢ 5¢	0000003000 5¢ 5¢	0000004000 5¢ 5¢
0000005000 5¢ 5¢	0000006000 5¢ 5¢	0000007000 5¢ 5¢	0000008000 5¢ 5¢	0000009000 5¢ 5¢
0000010000 5¢ 5¢	0000011000 5¢ 5¢	0000012000 5¢ 5¢	0000013000 5¢ 5¢	0000014000 5¢ 5¢
0000015000 5¢ 5¢	0000016000 5¢ 5¢	0000017000 5¢ 5¢	0000018000 5¢ 5¢	0000019000 5¢ 5¢
0000020000 5¢ 5¢	0000021000 5¢ 5¢	0000022000 5¢ 5¢	0000023000 5¢ 5¢	0000024000 5¢ 5¢
0000025000 5¢ 5¢	0000026000 5¢ 5¢	0000027000 5¢ 5¢	0000028000 5¢ 5¢	0000029000 5¢ 5¢
0000030000 5¢ 5¢	0000031000 5¢ 5¢	0000032000 5¢ 5¢	0000033000 5¢ 5¢	0000034000 5¢ 5¢
0000035000 5¢ 5¢	0000036000 5¢ 5¢	0000037000 5¢ 5¢	0000038000 5¢ 5¢	0000039000 5¢ 5¢
0000040000 5¢ 5¢	0000041000 5¢ 5¢	0000042000 5¢ 5¢	0000043000 5¢ 5¢	0000044000 5¢ 5¢
0000045000 5¢ 5¢	0000046000 5¢ 5¢	0000047000 5¢ 5¢	0000048000 5¢ 5¢	0000049000 5¢ 5¢

It takes two batches of 1000 sheets to complete a full run of 100,000 notes.

Notice the bold numbers, they denote the **sheet position** of each note. Replacement notes share the same sheet positions as regular notes.

Regardless of the numbers on the coupon, the 6th and 7th digit (4th and 5th from the right) are the key to understanding the printing process and the key to identifying sheet, single and same number replacements.

On the second 1000 sheet run shown on the second sample sheet, shown next, these numbers become 50 to 99.

0000050000 5¢ 5¢	0000051000 5¢ 5¢	0000052000 5¢ 5¢	0000053000 5¢ 5¢	0000054000 5¢ 5¢
0000055000 5¢ 5¢	0000056000 5¢ 5¢	0000057000 5¢ 5¢	0000058000 5¢ 5¢	0000059000 5¢ 5¢
0000060000 5¢ 5¢	0000061000 5¢ 5¢	0000062000 5¢ 5¢	0000063000 5¢ 5¢	0000064000 5¢ 5¢
0000065000 5¢ 5¢	0000066000 5¢ 5¢	0000067000 5¢ 5¢	0000068000 5¢ 5¢	0000069000 5¢ 5¢
0000070000 5¢ 5¢	0000071000 5¢ 5¢	0000072000 5¢ 5¢	0000073000 5¢ 5¢	0000074000 5¢ 5¢
0000075000 5¢ 5¢	0000076000 5¢ 5¢	0000077000 5¢ 5¢	0000078000 5¢ 5¢	0000079000 5¢ 5¢
0000080000 5¢ 5¢	0000081000 5¢ 5¢	0000082000 5¢ 5¢	0000083000 5¢ 5¢	0000084000 5¢ 5¢
0000085000 5¢ 5¢	0000086000 5¢ 5¢	0000087000 5¢ 5¢	0000088000 5¢ 5¢	0000089000 5¢ 5¢
0000090000 5¢ 5¢	0000091000 5¢ 5¢	0000092000 5¢ 5¢	0000093000 5¢ 5¢	0000094000 5¢ 5¢
0000095000 5¢ 5¢	0000096000 5¢ 5¢	0000097000 5¢ 5¢	0000098000 5¢ 5¢	0000099000 5¢ 5¢

Knowing that the sheets are printed and numbered in large batches of several thousand sheets, it is not until they are being numbered that they need replacement sheets or notes.

As they replace sheets that are defective with replacement sheets that were printed earlier, the serial numbers on the sheet of replacements have the same “sheet position” (ie: match the 6th and 7th digits of the regular serial numbers) or they will be 50,000 off, either higher or lower.

## SHEET REPLACEMENTS



Top note - CTC S27-B05  
Center - CTC S27-Ba05  
Bottom - CTC S27-B05



Top note - CTC S27-C05  
Center - CTC S27-Ca04  
Bottom - CTC S27-C05



Top note - CTC S27-D06  
Center - CTC S27-Da04  
Bottom - CTC S27-D06



Once they are separated into batches of 500 sheets and cut into individual notes, single note replacements are inserted during the quality control process to replace defective notes. These “single note replacements” have nothing in common with the regular notes that they are replacing other than being of the same general design.

## SINGLE REPLACEMENTS



Top note - CTC S29-C07  
Center - CTC S28-Ca06  
Bottom - CTC S29-C07



Top note - CTC S27-E06  
Center - CTC S27-Ea03  
Bottom - CTC S27-E06



Top note - CTC S27-C05  
Center - CTC S27-Ca02  
Bottom - CTC S27-C05

Sometimes, after being cut, a whole brick of 500 notes can get destroyed. What the printer does, to replace these, is take 498 single note replacements along with two regular notes, without serial numbers, to which they add the serial numbers to make up the actual notes that were destroyed for the top and the bottom of the brick. These notes are called “same number replacements”. The printer never replaces the note from the top or bottom of a bundle with a regular identifiable replacement note.

Note 0279033999 is a hand numbered same number replacement.



Most brick checkers save the framers (the regular notes on either side) for the replacements that they find. This information, when gathered and analyzed, helps provide us with the basics to report in the Club newsletter and the Bilodeau Guide.

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