# Overview

Correio AVS version 2.1.12 includes two new DPV footnotes that might be returned with each address:

* PB: PO Box Style Street Address
* R7: Phantom Carrier Route

You should update your Correio PowerOn specfiles to handle these new footnote codes. You have three options:

1. You can download the current PowerOn specfiles for Release 2016.01 from the Correio FTP site and use them to upgrade your installation yourself
2. You can modify your code based on the instructions below
3. You can contract with CUTEK to have us upgrade your PowerOn specfiles to the new versions.

Please contact support@cutek.com if you need information about the Correio FTP site.

Please contact projects@cutek.com if you would like a quote for upgrading your specfiles to the new versions.

# Minimal Instructions for Self-Upgrades

**Note:** The Correio specfiles have undergone many significant changes since their original versions in 2005. CUTEK can’t guarantee that the instructions below cover every possible version of the code that might be out there “in the wild”.

The changes described here allow the Correio software to recognize the new footnotes. If an address returns either of these footnotes, these changes will cause the program to display a message:

* For PB, the message will read, “Address is PO Box”
* For R7, the message will read, “No street delivery”

If you want anything additional, CUTEK recommends that you upgrade to the latest version of the Correio specfiles.

## Step 1: Update the list of possible footnotes to include PB and R7

1. Go to PowerOn Specfile Control
2. Modify RESULTSTRING to include the new footnotes:
	1. Use the Find in Files option to find all files that contain RESULTSTRING where there is a line that assigns a character literal to RESULTSTRING. The spacing may vary, but the line should look something like this:
	 RESULTSTRING = "AA A1 BB CC N1 M1 M3 P1 P3 RR R1 F1 G1 U1"
	2. Change each of these files by adding “ PB R7” to the end of the line after the “U1”. Please note that there should be exactly one space between each of the footnotes in this string. Here is what it will look like after you make this change:
	 RESULTSTRING = "AA A1 BB CC N1 M1 M3 P1 P3 RR R1 F1 G1 U1 PB R7"
	3. In most cases, this change will be made to POSTALAUTOMATION.DEF.
	4. Save all changes.
3. Modify the RESULTTEXT array assignments to add values for 15 and 16:
	1. Use the Find in Files option to find all files that contain “Missing Street #” where there is a section of code that looks something like this:

 [12345678901234567890]

 RESULTTEXT(00)="Invalid result"

 RESULTTEXT(01)="Zip Matched"

 RESULTTEXT(02)="Zip +4 did not match"

 RESULTTEXT(03)="Address Confirmed"

 RESULTTEXT(04)="Bad Secondary Info"

 RESULTTEXT(05)="Need Suite or Apt #"

 RESULTTEXT(06)="Missing Street #"

 RESULTTEXT(07)="Invalid Street #"

 RESULTTEXT(08)="Missing Box #"

 RESULTTEXT(09)="Invalid Box #"

 RESULTTEXT(10)="Confirmed PMB"

 RESULTTEXT(11)="Missing PMB #"

 RESULTTEXT(12)="Military address"

 RESULTTEXT(13)="General Delivery"

 RESULTTEXT(14)="Matched Unique Zip"

* 1. Add two more lines to the above section:

 RESULTTEXT(15)="Address is PO Box"

 RESULTTEXT(16)="No street delivery"

* 1. In the same file, look for a section of code with 15 IF THEN statements with the final four lines that look like this:

IF RESULTTEXT(13)="" THEN

 RESULTTEXT(13)="General Delivery"

 IF RESULTTEXT(14)="" THEN

 RESULTTEXT(14)="Matched Unique Zip"

* 1. Add four more lines at the end of this section:

 IF RESULTTEXT(15)= "" THEN

 RESULTTEXT(15)="Address is PO Box"

 IF RESULTTEXT(16)= "" THEN

 RESULTTEXT(16)="No street delivery"

* 1. In the same file, look for the following code:

 FOR PAXXX=1 TO 14

 DO

 PARAMFLINE=FORMAT("RESULTTEXT99=",PAXXX)+RESULTTEXT(PAXXX)

 FILEWRITELINE(PARAMFNUMBER,PARAMFLINE,PARAMFERROR)

 END

* 1. Change the 14 on the first line to 16.
	2. In most cases, these changes will be made to POSTALAUTOMATION.PRO. If you have rather old code, you may need to change the variable assignments in POSTALAUTOMATION.SETUP.
	3. Save all changes.
1. Reinstall all demand specfiles that include POSTALAUTOMATION.DEF or POSTALAUTOMATION.PRO
	1. Use Find in Files to find all files that contain POSTALAUTOMATION.
	2. Reinstall every specfile that is a demand specfile that includes a line with #INCLUDE “POSTALAUTOMATION.DEF”. This may include all of the following:
		1. ADDRESSCHANGE, ADDRESSCHANGE2 and ADDRESSCHANGE3
		2. ADDVER
		3. VALIDATE+NAME specfiles
		4. VALIDATE.LOANAPP.PERSON
		5. ENV
		6. Any other custom demand specfile that uses Correio