

Guide for Identifying and Installing A CDU for the NH2700 Shell

What Is A NH2700 Shell

The NH2700 Shell is the body and inner workings of a standard NH2700 but without the dispenser. Additionally, it allows for a serial style Cash Dispenser to be installed and used inside of it.

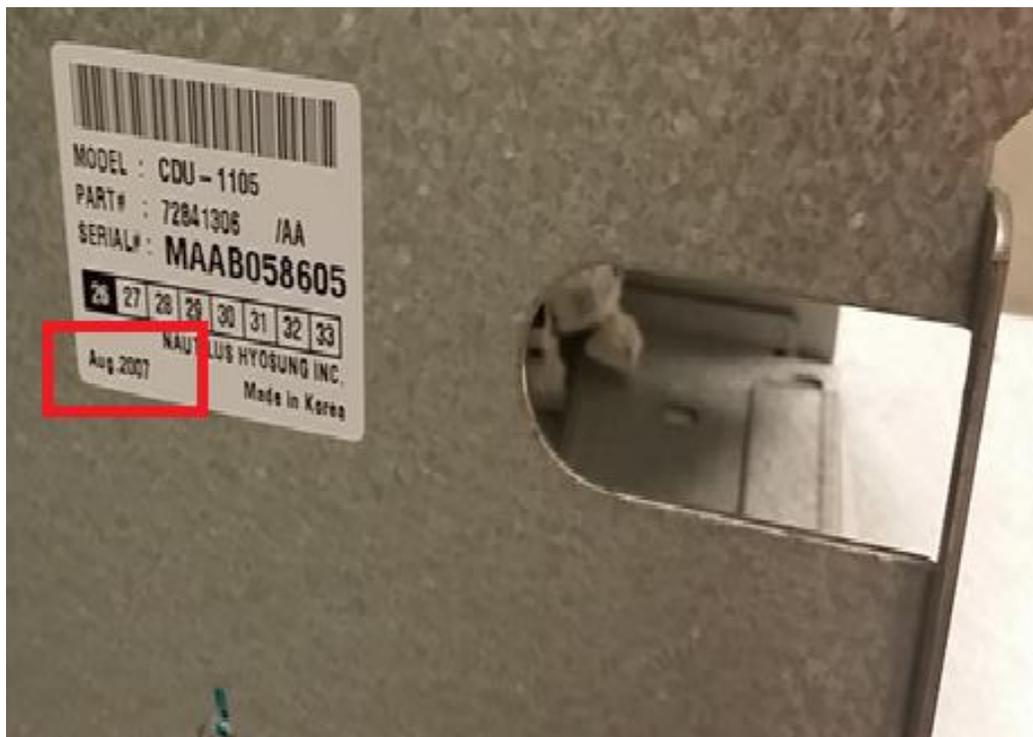
How to Identify a Compatible CDU

The NH2700 Shell will support serial style CDUs that follow the following requirements:

- The CDU must be from 2007 to today
- The CDU board must be from firmware version V07.00.10 or higher
- The CDU board must a “short” board, rather than a long board
- The CDU board must have a multi-colored ribbon style connection at the top of the board

Identifying a CDU from 2007 to today

Every CDU shipped by NHA should have a Serial Number sticker on it. Besides providing the P/N for the CDU it will also include information on the revision, serial number, and a month/year of manufacturing as shown below:

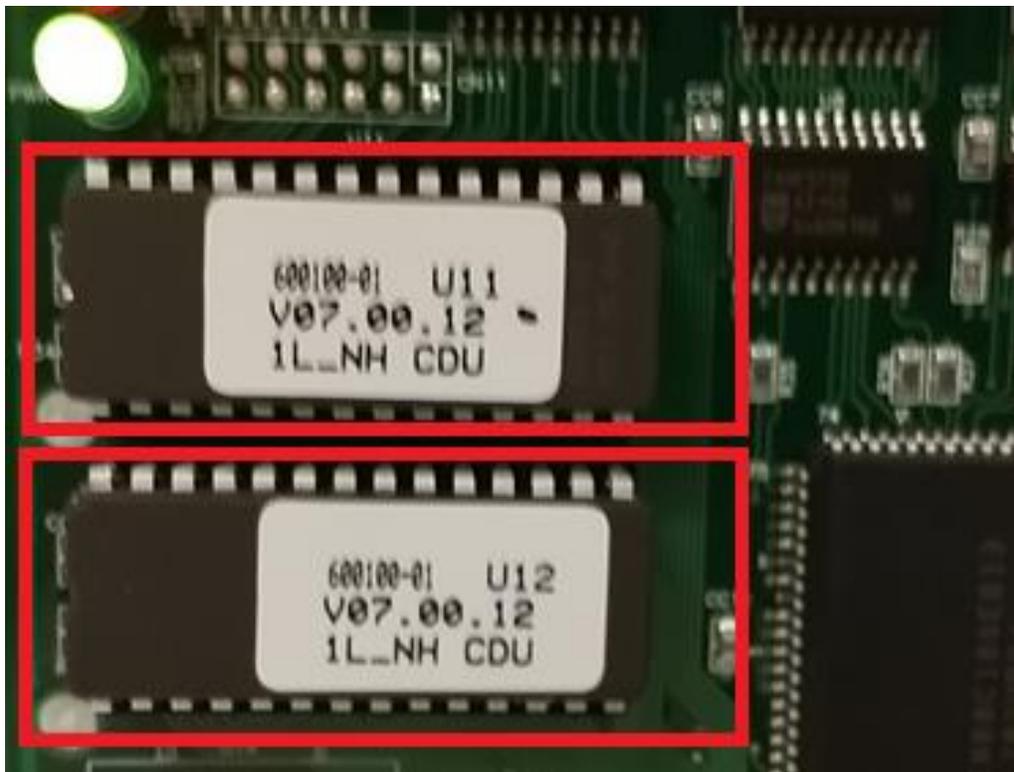


Identifying the firmware version of the CDU

There are two ways to identify this information the first is via the S/W Version print out on an ATM:



Additionally, you can verify the CDU firmware version via the ROM chips on the side of the board as shown below:



Identifying a “short” versus a “long” board

Some Cash Dispensers on various models shipped prior to 2007 may have shipped with what is termed a “long” board installed on it. You may come across some CDUs that appear to work properly but are equipped with this long board. Unfortunately, this board is not compatible with the NH2700 Shell. A “long” board will look like the below image:



A “short” board, which is required, will look like:



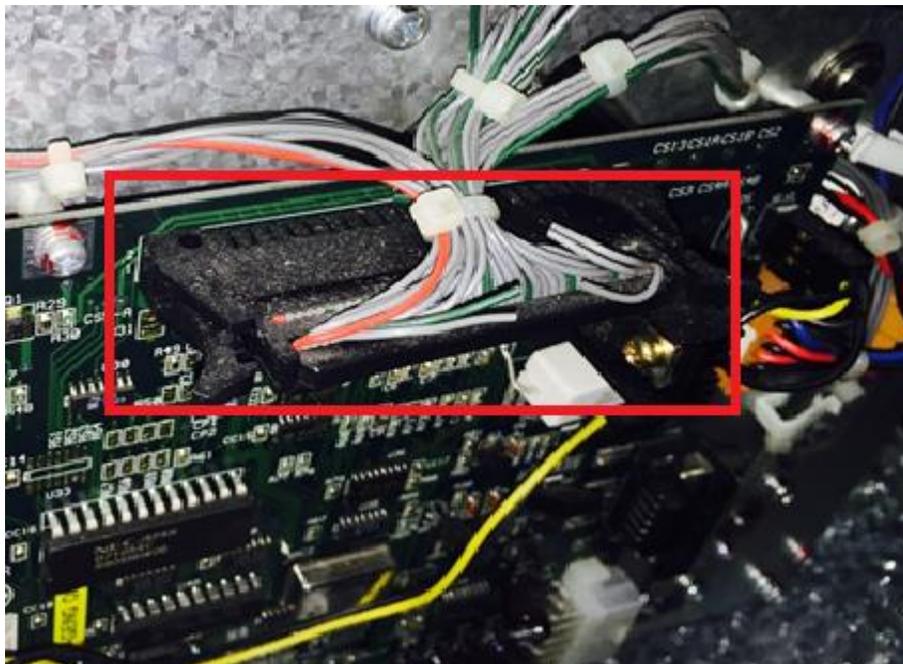
Identifying the multi-colored ribbon style connection at the top of the board

All compatible CDU boards will have a multi-colored ribbon style connection on the board, this is extremely important to identify because the connections on a board without the multi-colored connection means that the ground and voltage cable in the CDU harness may be reversed from the normal connection. Powering up a board that does not have the correct connection may cause the CDU board, or other boards in the machine to become shorted and therefore require replacement.

A compatible multi-colored connection looks like:



A connection not compatible looks like:



Mounting and Connecting Your CDU in the NH2700 Shell

The CDU tray will come with holes pre-drilled for almost any compatible style CDU.



When mounting your CDU you want the exit of the Cash Dispenser to be flush up against the cash tray on the vault door. You want to pay special attention to make sure that there is no overlap of the tray and exit of the CDU; this will cause bills to stop in the CDU and not come out all the way into the cash tray.

If you find bills in the bottom of the vault that is an indication that the CDU is not close enough to the tray, and bills are falling down the gap between them

FYI – some CDUs that meet all of the requirements to work may not have mounting feet on the front the CDU



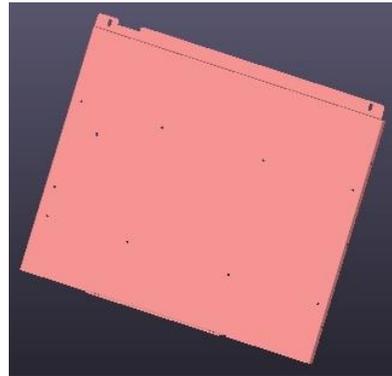
To remedy this you can either tap your own mounting holes, or disregard mounting in the front. Disregarding the front mounting should not cause a problem in normal operations, but it is suggested that if you go that route do not mount the CDU till the NH2700 Shell is already installed at the desired location.

If the CDU is a 4K (2 Cassette), or 6K (3 Cassette) you will need to purchase separately from the NH2700 Shell the NH2700 4K and 6K CDU Side Plates. The correct P/Ns are S4210001664, and S4140002540. Both parts can be priced and ordered on the NHATM.com website by certified technicians or direct distributors.

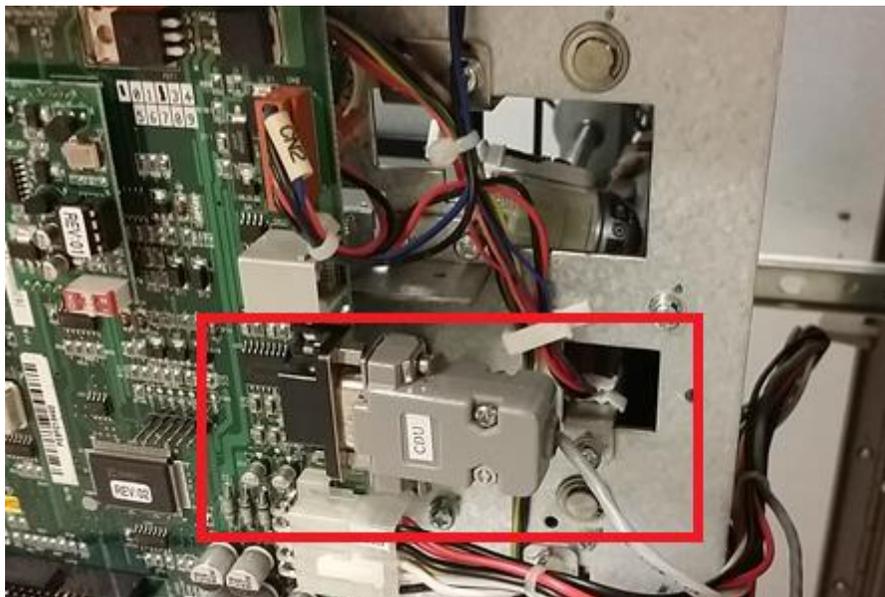
[S4210001664](#)



[S4140002540](#)



Once mounting the CDU is completed connect the serial connection to the serial port on the CDU



If you have any questions about this document or the process in general you can call into the Nautilus Hyosung America, Inc. Technical Support desk by calling 877-496-7864.