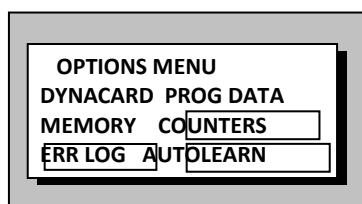


# Utilities



To access the Options Menu from the Main Menu, insert a DynaCard II program cartridge and press {STOP}.

Press {STOP} again to return the Analyzer to the Main Menu.

This Chapter discusses the details of the Counters, Autolearn and Error Log functions. These functions are located in the Option Menu.

## Analyzer Counters

The Analyzer has two internal counters (Sequence and Report) that are manipulated by Sequence Commands or through the Analyzer menu. These functions either display, set or clear the counter values.

### Display

Displays the current values of both the Sequence and Report counters.

```
SEQUENCE  0
REPORT    0
```

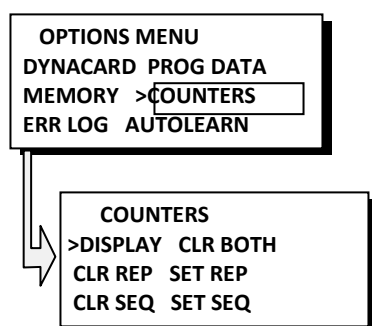
### Clear

The CLR REP, CLR SEQ and CLR BOTH functions set the value of the specified counter to "0".

### Set

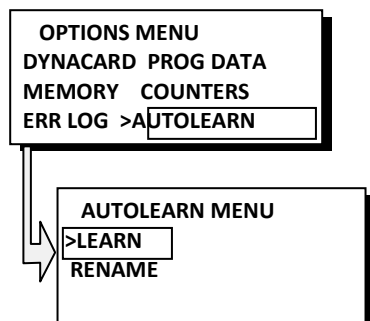
The SET REP (Report Counter) and SET SEQ (Sequence Counter) functions set the counter to a specific value.

```
ADJUST REP: 00000
```



# Autolearn Functions

## ***Learning a Netlist***



The Analyzer has the ability to learn from a known good assembly. Before using this function we recommend probing the fixture and the product being tested for accuracy.

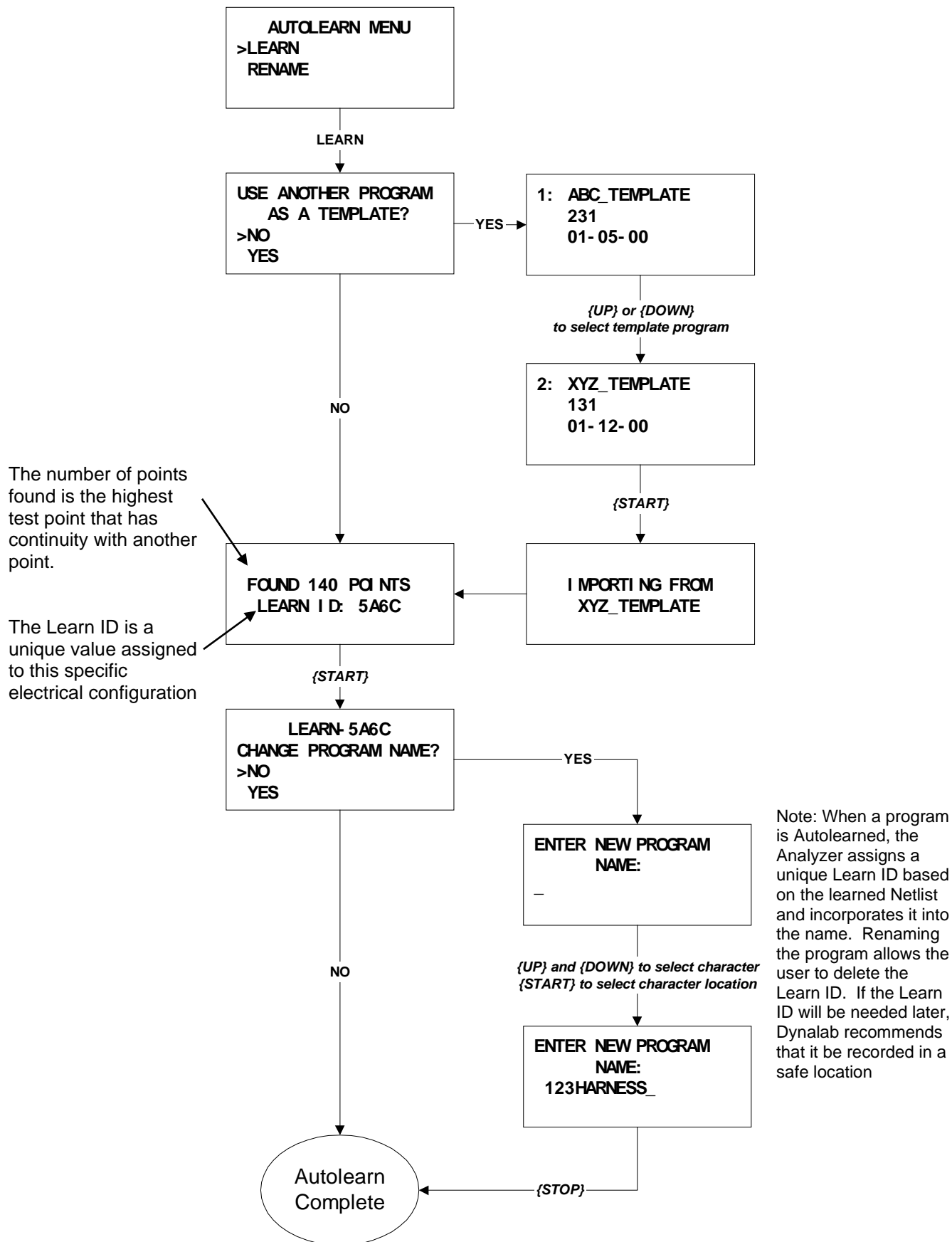
At the time of learning, the Analyzer prompts the operator to "Use Another Program as a Template?" If no template is used, the test points will be displayed as absolute board and point values (i.e., [0-109] and the test sequence is TEST, REPORT, KWAIT, REPEAT.

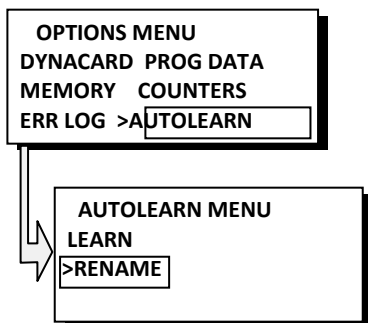
If a template is selected, the learned program copies the following data from the Template program:

- Program Sequence and Messages - The test sequence and all messages are copied. Sequence Commands that test Netlists (TEST, ASSEMBLE, SHORT, NET, WPB, UWPB, and AUTO) will point to the new, Autolearned Netlist.
- Symbolic Names - The names and locations of all Connectors, Pins, Wires and Colors.
- Test Parameters - The drive voltage, sink current, and voltage thresholds
- Alarm Netlist - If the template program uses the ALARM Sequence Command, the Alarm Netlist is copied to the Autolearned Program.

Note:, The template program can only contain the MAIN Netlist and the ALARM Netlist. If the user selects a template program with netlists other than these netlists, the Analyzer warns that the chosen file is unacceptable and prompts the user to select another Template file.

See the diagram on the next page for the steps to create an Autolearned program.





## ***Rename an Autolearned Program***

Executing this function will allow the selecting of only the Autolearned programs in the Analyzer memory. Once the program to be renamed is selected press the {START} button.

The Analyzer will then prompt for the new program name. Use the {UP} and {DOWN} buttons to select the character. Use the {START} button to select the character location. Then press {STOP} when the desired name is shown.

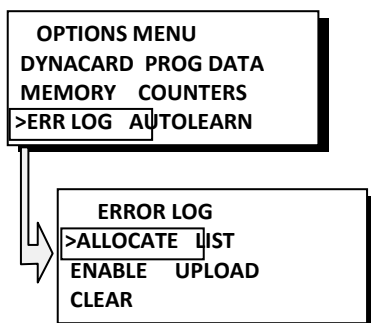
Note: When a program is Autolearned, the Analyzer assigns a unique Learn ID based on the learned Netlist and incorporates it into the name. Renaming the program allows the user to delete the Learn ID. If the Learn ID will be needed later, Dynalab recommends that it be recorded in a safe location

**ENTER NEW PROGRAM  
NAME:**

—

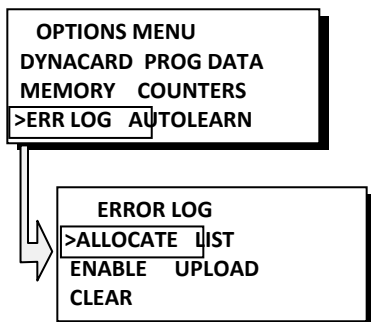
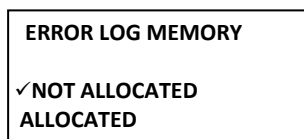
# Error Logging

The Analyzer has the capability to internally store error data from preformed test scans. This data can then be sent to a computer or printer for manipulation or archiving purposes. Contact Dynalab Engineering for more detailed documentation regarding the Error Logging function.



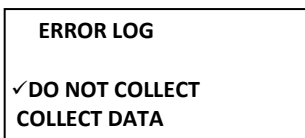
## Allocate

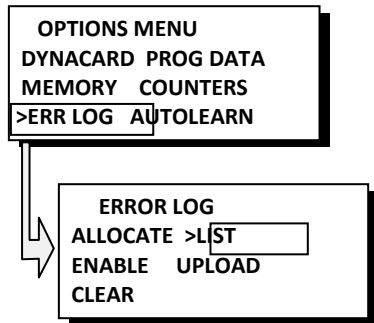
In order for the Analyzer to collect the data, the memory must be allocated. None of the other Error Log functions operate until the memory has been allocated. When ALLOCATED is selected and the {STOP} button is depressed, the Analyzer will display the quantity of bytes that have been allocated. The Analyzer will attempt to allocate 32000 bytes if there is enough contiguous memory available. Otherwise, the amount allocated is largest contiguous block of memory found.



## Enable

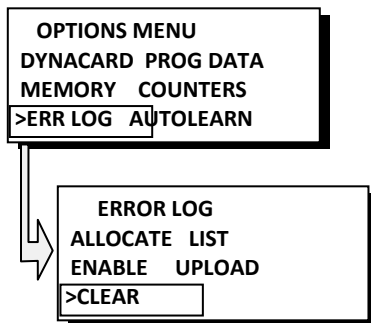
Once the Error Log memory has been allocated, the actual data is collected from either enabling error logging from this menu function or from a LOG and LOGOFF Sequence Commands.





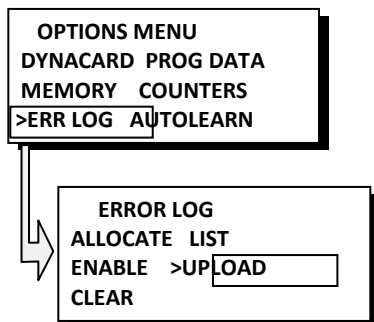
## List

The List function allows for the error logged data to be displayed on the Analyzer. This allows a quick view of the data that has been captured.



## Clear

The CLEAR function will clear all error logged data that has been captured. This will not delete or un-allocate the memory, just the delete the actual error data.



## Upload

This function will send all error-logged data through Serial Port 1 as a straight ASCII transfer, without any protocol. Windows HyperTerminal can be used to capture this information to a file on a computer.