

MODEL 15

Analog Semi-Modular Synthesizer with Dual VCOs, VCF, Sequencer and Arpeggiator in Eurorack Format



Service Bulletin

Fault Code	575 - Faulty Audio Processing.
Issue	Sample & Hold output not working due to wrong transistors in the first 1900 produced units.
Remedy	Installing an 1N4148 diode. The output signal is normal after this modification.
Action	Rework all units which exhibit this issue.
Technician	This procedure is intended for Music Tribe care centers or field authorized service centers, but it may also be carried out by individuals possessing the appropriate skills and tools.

Preparation

The following tools and parts are required in order to perform the procedures described in this service bulletin.

Tools Required			
Standard Philips Screwdriver for Eurorack, Soldering equipment			
Parts Required			
Qty	Description	Part Number	Reference Designators
1	1N4148 diode		

About this bulletin

This bulletin describes how to fix the Sample & Hold Output problem. Anyone with the right skills and tools can perform the rework without voiding the **warranty**.

-  Follow all standard safety precautions when performing this procedure. Failure to follow instructions may lead to permanent injury or death.
-  There is a risk of electrical shock due to high voltage discharge, even when the unit is off.
-  Please review all service bulletins and the service manual for this model. The service manuals contain schematics, parts lists, and various 2D and 3D drawings.
-  Follow all standard ESD precautions when performing this procedure. Failure to follow instructions may cause damage to the unit being repaired.

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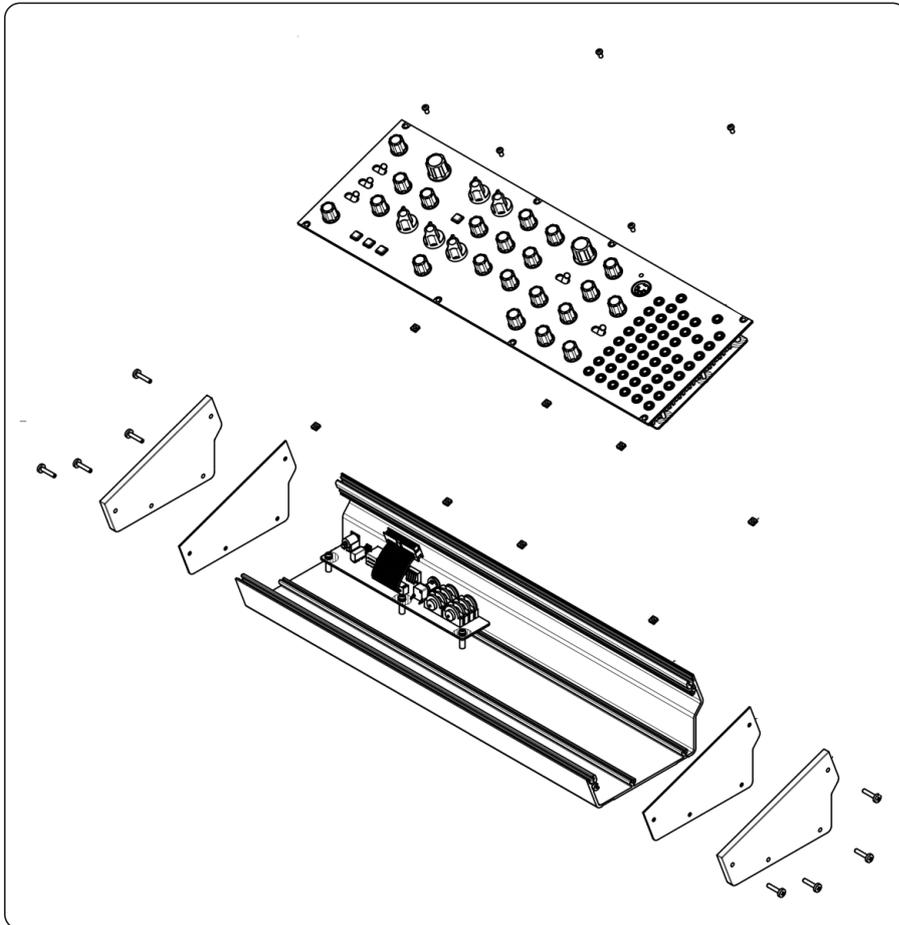
Procedure

 Follow all steps in the order in which they are presented.

STEP 1  Disconnect the power cord and all other connections to the unit under repair.

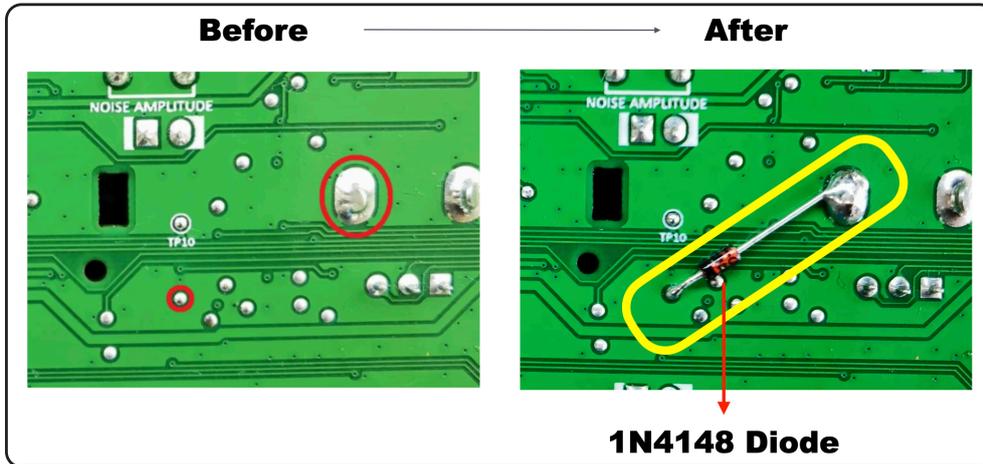
 There is a risk of electrical shock due to high voltage discharge even if the unit is off.

STEP 2 Unmount the front panel screws to expose the PCB.



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STEP 3 Solder the 1N4148 diode onto the back of the PCB as seen in the picture.



STEP 4 Reassembly is the reverse of disassembly.

STEP 5 Perform a functional test and safety test to verify the unit is working correctly.

STEP 6 If this rework is being done to new units in stock, please make sure that the unit is in pristine condition, and correctly packaged in its original packaging with all accessories and documentation, before returning to stock.