S E R V I C E   N O T E

SUPERSEDES

E2500B Frequency Agile Signal Simulator

Serial Numbers: 3105A00101 / 3109A00114

Potential Servo Failures on 44MB Bernoulli Drives

Parts Required:

P/N	Description	QTY
0950-2120	44MB Disk Drive Ay	1

Tools Required:

Small Pozidriv
Medium Pozidriv
Small Flat blade screwdriver
TORX TX-15

Continued:

DATE: 15 August 1990

ADMINISTRATIVE INFORMATION

Agilent Technologies

Situation

During the initial Production phase of the E2500B (8791 Model 11) Frequency Agile Signal Simulator. Five of the above serial numbered units were shipped with a potential defective 44MB Disk Drive Assembly installed.

The defective 44MB Disk Drive Assemblies may be identified by the following manufacturer serial numbers:

89T1090274, 89T1090275, 89T1090276, 89T1090277, and 89T1090288.

Solution/Action:

To determine if the E2500B (8791 Model 11) FASS has a defective 44MB disk Drive installed, it will be necessary to check the disk drive for one of the above manufacturer serial numbers. If the unit has a defective disk drive replace it with part number 0950-2120 and return the defective disk drive to the attention of Support Engineering at Stanford Park.

Inspection Process:

1. Remove Mains from the E2500B FASS by placing the circuit breaker on the system cabinet rear door to the off position.

2. Locate and remove the motor access panel from the front of the 44MB Disk drive assembly by using a small, flat blade screwdriver. See figure 1 for Motor Access Panel location. The manufacturers serial number should be located just inside the motor access area on the flat portion of the front panel. If the manufacturer serial number is one of the above listed serial numbers, use the following procedure to remove the drive from the Smart Interface.

44MB Disk Drive Removal Procedure:

1. Set the Smart Interface (SI) line switch to the off position.

2. Remove the 4 screws at the front of the system cabinet that secure the rack mount to the cabinet.

3. Slide the Smart Interface forward approximately 3 to 4 inches to allow access to the rear of the SI.

4. Open the system cabinet rear door and disconnect the cables that are attached to the Smart Interface rear panel. Refer to figure 2 for system interconnects.

5. Pull the Smart Interface forward until it clears the system cabinet and set it down on an ESD work table.

6. Remove the Smart Interface top cover by removing the 3 screws at the rear of the Smart Interface, remove the top cover by pulling the cover towards the front of the Smart Interface as far as it will go and then lift the cover straight up. See Figure 3 for screw locations.

7. Position the Smart Interface so that its front panel is facing you.

8. Remove the 44MB Disk drive by first disconnecting the two cables on the rear of the drive. Then simultaneously push in the two plastic locking tabs that hold the the drive in place while exerting a forward pressure on the tabs. This will cause the drive to move towards the front of the Smart Interface. Refer to Figure 4 for location of the lock tabs.

9. Once the 44MB drive has been removed, remove the two mounting rails for use on the new 44MB Disk drive.

10. Take the new 44MB Disk Drive (part number 0950-2120) and install the two mounting rails from step 9 to the sides of the disk drive and install the drive back into the Smart Interface. Connect the two cables to the rear of the drive and replace the top cover.

11. Install the Smart Interface back into the System Cabinet.

Return the defective drive to the following address:

Stanford Park Division
Agilent Technologies
1501 Page Mill Road
Palo Alto, CA 94304

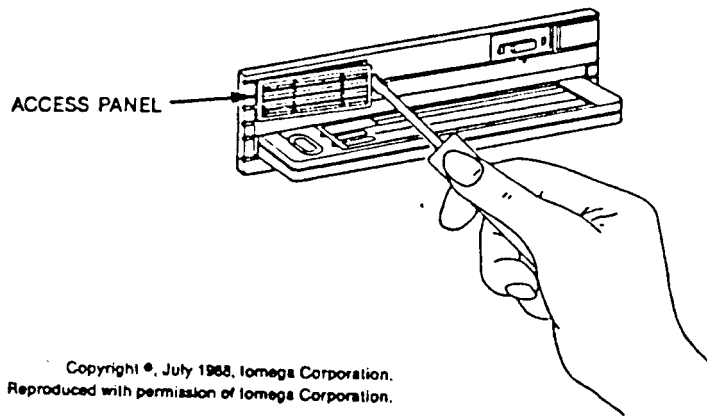Attention: Dennis Sandusky
Support Engineering MS - 4U

ACCESS PANEL

Figure 1. Access Panel Removal

TO DISPLAY

SMART INTERFACE (SI)

TO EXTERNAL CONTROLLER

TO MOUSE

TO KEYBOARD

AGILE UPCONVERTER (AUC)

MODULATION DATA SOURCE (MDS)

AGILE CARRIER SYNTHESIZER (ACS)

Figure 2. System Interconnects

POWER SUPPLY
SCREWS
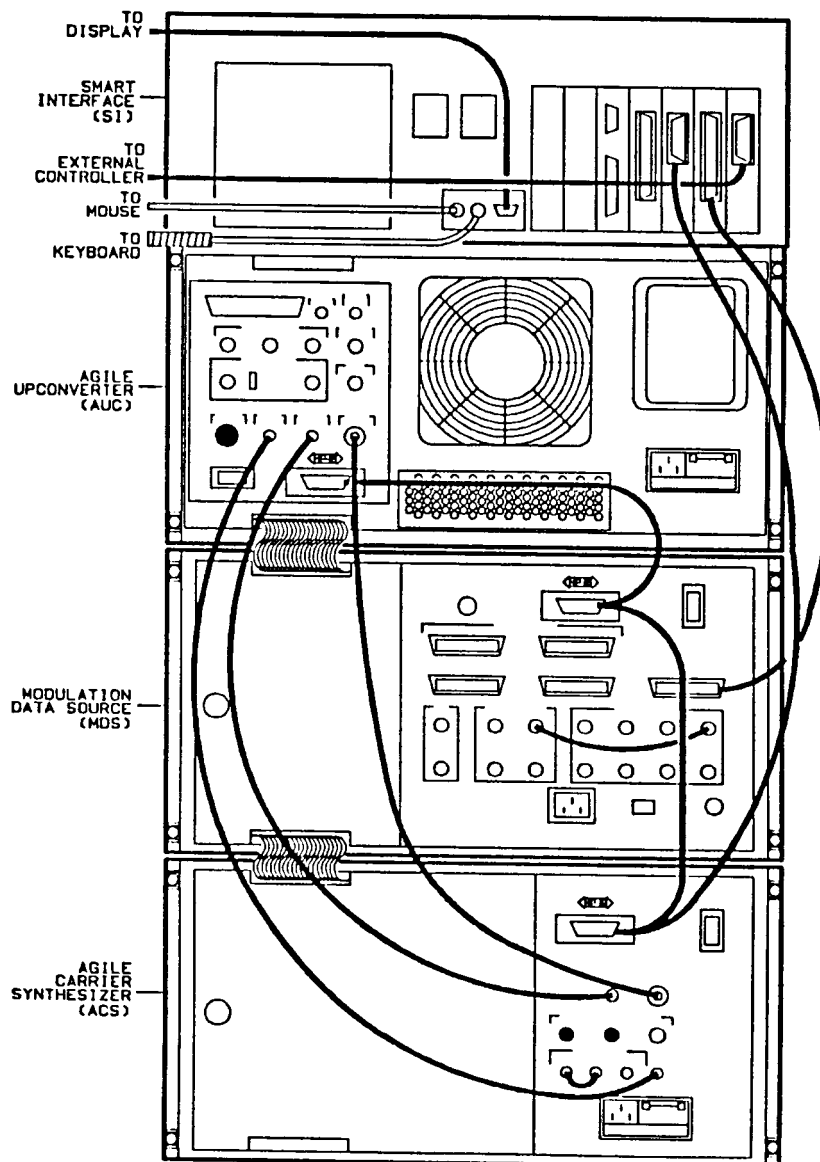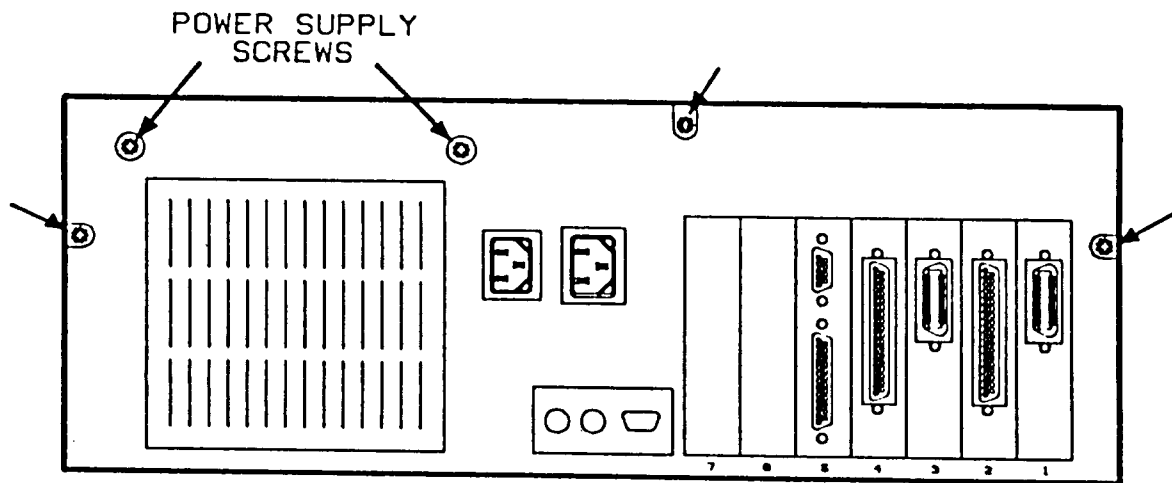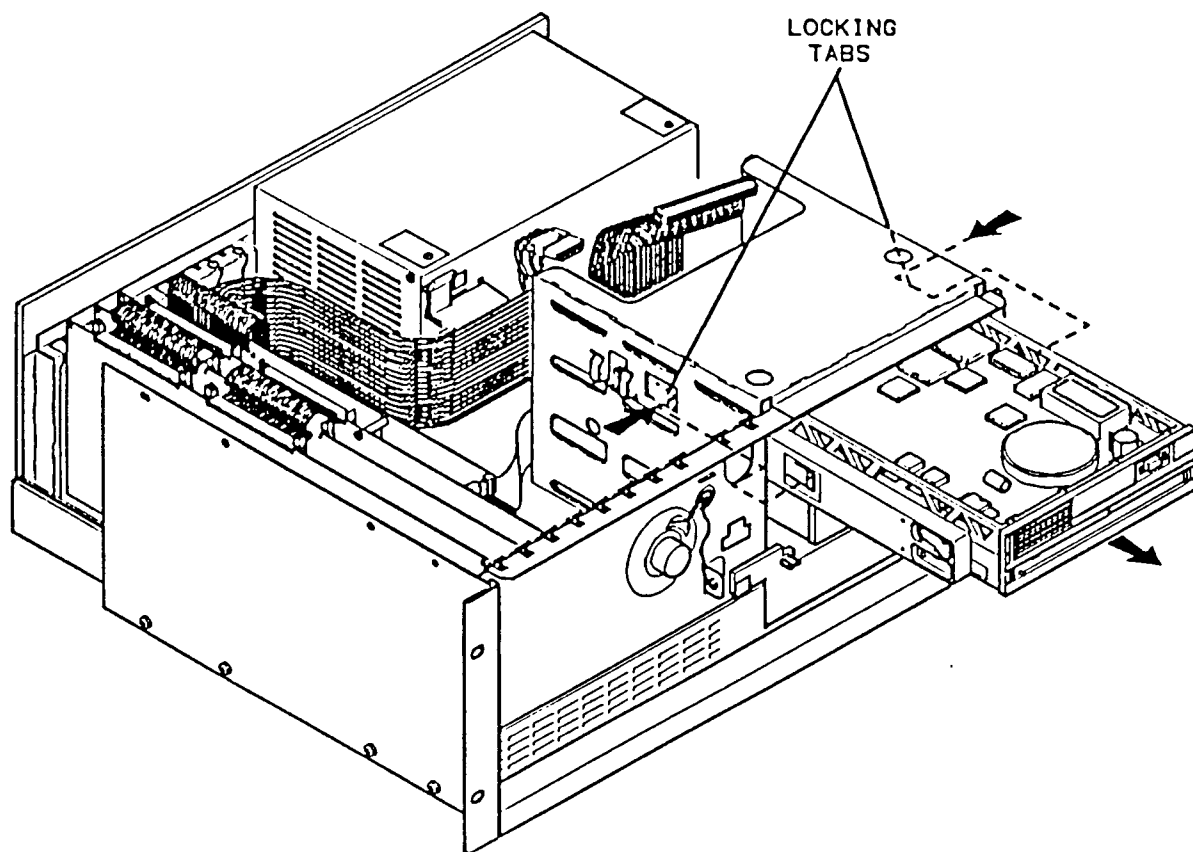
Figure 3. Cover Mounting Screws

LOCKING
TABS

Figure 4. Removing 44MB Disk Drive