# Agilent 3458A Option 001
# Installation Note

## Introduction

This document provides the procedure for installing the extended memory option 001 retrofit kit 03458-87901 (four RAM ICs, p/n 1818-3981) onto the controller assembly for a standard 3458A, serial number US2803151 and below. This converts the standard 03458-66505 controller assembly to 03458-66515. For a standard 3458A, serial number US2803152 and greater, do not use this kit. Use extended memory kit 03458-87902 instead for such units.

## Removing the Top Cover

1. Remove both rear handle brackets with a #2 Pozidrive.

2. Remove the rear bezel by loosening the four #15 TORX screws.

3. With the back of the instrument facing you, remove the #10 TORX screw securing the top cover to the right side. NOTE: This screw provides ground continuity to the cover.

4. Remove the top cover.

## CAUTION

Use safe, anti-static handling techniques when installing the four RAM ICs. See the Agilent 3458A Assembly-Level Repair Manual for further details.

## Installing the RAMs

5. Install the four RAMs U123, 124, 125, and 126 on the 03458-66505 Outguard Controller Assembly. Figure 1 shows the location of the four additional RAMs. This converts the assembly to an Option 001 03458-66515.

6. Install the 03458-66515 label on the PC board.

## Reinstalling the Top Cover

7. Reverse steps 1 through 4 to install the top cover, rear bezel, and handle brackets (securing the handles). NOTE: The screw removed in step 3 must be reinstalled to provide ground continuity to the cover. See warning on page 2.

## Mark Option on the Rear Panel

8. Black in the option 001 square on the rear panel to indicate the option is now installed.

03458-90031

**Agilent Technologies**

## WARNING

The screw removed in step 3 MUST be re-installed to provide ground continuity to the cover. Failure to install this screw can allow voltages to be present on the cover, that under certain conditions could cause bodily injury or death.
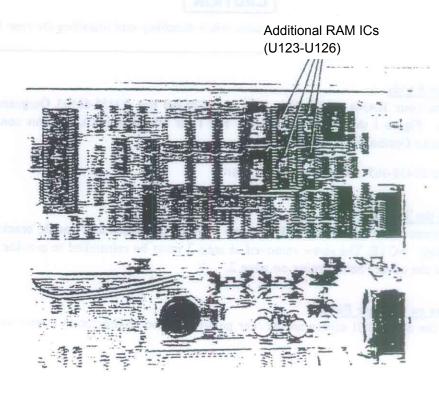
Additional RAM ICs
(U123-U126)

Figure 1. Location of U123-U126