

INFORMATION ONLY – DOES NOT COMMUNICATE  
A MODIFICATION OR SAFETY CONDITION

**3458A-04A**

# S E R V I C E N O T E

Supersedes:  
3458A-04

## 3458A Multimeter

**Serial Numbers: All**

### **Apparent failure at turn-on or when given a “RESET” command**

**Parts Required:**

<b>P/N</b>	<b>Description</b>	<b>Qty.</b>
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NONE

**Situation:**

The 3458A utilizes the subroutine “SUB 0” as an autostart routine. This sub-program is automatically executed by the 3458A during its’ “power-on sequence” or when a front panel “RESET” command is executed. All subroutines are stored in non-volatile memory and remain in memory when power is removed from the 3458A. Subroutines are covered in more detail in the 3458A User’s Guide (Chapter 3; section titled “Using Subprogram Memory”).

If a user stores a subroutine as “SUB 0” the meter will power-up according to the commands in this routine. This can lead to unexpected turn-on configurations. This unexpected turn-on configuration will occur each time power is cycled or when a front panel “RESET” command is given. This situation is often misinterpreted as a 3458A failure.

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

**INFORMATION ONLY**

AUTHOR: DLL      PRODUCT LINE: 09E

ADDITIONAL INFORMATION:

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**Solution/Action:**

Any stored autostart subroutine can be “erased” using one of the following commands from the 3458A front panel or from a controller connected to the 3458A:

“DELSUB 0” ---- (This command will only erase the autostart subroutine)

“SCRATCH” ---- (This command will erase all user stores subroutines and any stored states)

Note: Following the execution of either of the above commands; the instrument will utilize the “default” states when power is cycled or a front panel “RESET” command is issued.