

S E R V I C E N O T E

SUPERSEDES: 3456A-24-S

3456A Digital Voltmeter

Serial Numbers: 2943A21800 / 2943A22118

AC Line Power Switch, P/N 3101-2216, Ref Design S1

Modification to Avoid Exposed High Voltage Potentials when Servicing the 3456A Internally

To Be Performed By: Agilent-Qualified Personnel

Situation:

The AC Line Power Switch for the 3456A has six solder-eye terminals. The back four have wire connections to them, and the front two do not. All six of these solder-eye terminals should be encased in the clear heat shrink wrap that encases the switch body. The above units do not, with the front two solder-eye exposed. THESE TWO POINTS HAVE A LIVE POTENTIAL AS HIGH AS 240 V, EVEN WHEN THE UNIT IS POWERED OFF.

Continued

DATE: 22 November 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
SAFETY			
ACTION CATEGORY:	<input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.5 hrs
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	ALWAYS	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: CMC	ENTITY: 0900	RESPONSIBLE ENTITY: 0900	UNTIL: ALWAYS
		ADDITIONAL INFORMATION:	



Solution/Action:

Refer to Figure 1 below when making the following modification:

WARNING

Be careful not to touch the two exposed solder-eyes

1. Turn the unit off.
2. Unscrew the switch from the chassis by removing screws MP3.
3. Remove the pushrod, MP4, from the switch.
4. Carefully tilt the switch up from the chassis slightly, and slide another section of heat shrink wrap over the switch body such that it covers the two exposed front solder-eye terminals and slightly overlaps the original heat shrink wrap.
5. Apply heat to the shrink wrap until it becomes snug over the switch. Be careful to avoid too much heat and melting the switch contacts.
6. Re-attach the pushrod and screw the switch back down.

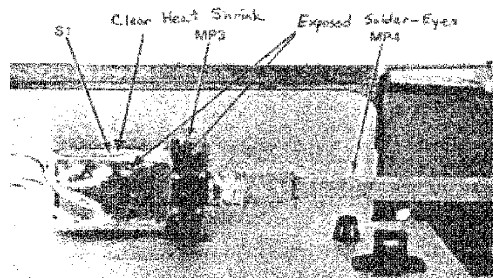


Figure 1. 3456A AC Power Switch

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