

S E R V I C E N O T E

SUPERSEDES: NONE

E1420B 75000 Series C Universal Counter**Intermittent *TST? Self-Test Failure**

Serial Numbers: 0000A00000 / 9999A99999

To Be Performed By: Agilent-Qualified Personnel or Customer**Problem:**

All E1420B counters which have REV B.02.00 or REV B.02.40 firmware installed may exhibit an intermittent *TST? self-test timebase failure.

Problem Identification:

Any combination of the command string results below are an indication that the problem may exist:

*IDN?	-> AGILENT, E1420B,0, REV B.02.00 OR REV B.02.40
*TST?	-> +0 OR +1, Intermittent
DIAG:ASS:ALL?	-> "FAILED, ALL, TIM"
DIAG:ASS:A1?	-> "FAILED, A1, TIM"
DIAG:BLOC:ALL?	-> "FAILED, BLOCK, TIM"

Continued

DATE: 18 September 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
AI	0200	

DIAG:BLOC:COUN:ALL?	-> "FAILED, COUN, TIM"
DIAG:BLOC:COUN:TIM?	-> "TIMEBASE TEST: CLK10 PASSED INT MISSING EXT FAILED"

Solution:

Whenever performing the instrument self-test *TST?, or performing any timebase-related diagnostics, connect a 10MHz reference standard to the Int/Ext BNC input on the E1420B front panel.