

S E R V I C E N O T E

SUPERSEDES: None

37702A Digital Data Tester

Serial Numbers: 0000U00000 / 9999U99999

Pattern Sync problems using 55 Octet Stress Pattern in FULL-T1 mode and PRBS Patterns in Fractional-T1 mode.

Duplicate Service Notes: 37701B-01

Parts Required:

Retrofit firmware kit 37702-60040, which contains the following parts

Part No.	Designator	Description
37702-80075	A2 U2	PROM
37702-80077 A10	A2 U57	PROM
37702-80022	U3	PROM
37702-90005		Op & Cal Man
37702-90007		Firmware Upgrade Procedure

Continued

DATE: August 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 2.0 Hours
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 type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: JH	ENTITY: 1400	AGILENT RESPONSIBLE UNTIL: August 1996	
		ADDITIONAL INFORMATION:	



Situation:

There are two problem situations which are currently present in the 37702A which have FIRMWARE REVISION (MAIN) below 3348.

1. In FULL-T1 mode, the 8 data bits generated in each Octet of the [55-OCTET DALY] Stress Pattern, are transmitted in reverse order. This prevents the 37702A from synchronizing to other T1 equipment which generate the correct [55-OCTET DALY] Stress Pattern.
2. In Fractional-T1 mode, the 37702A will not gain pattern synchronization when measuring PRBS (or QRSS) patterns with greater than 24 consecutive zeros in the de-selected time-slots.

Solution/Action:

The 37702A should be upgraded to FIRMWARE REVISION (MAIN) 3348 or above and (DDS) 3349 or above with retrofit kit P/N 37702-60040, which contains all necessary parts.