L MULTIPLEX TERMINALS

LMX-1

EMERGENCY PILOT SUPPLY

EMERGENCY PILOT SUPPLY USING 57A OSCILLATOR

TESTS

Procedures for connecting the J64057A (57A) oscillator to the pilot distributing panel and checking its operation are described. These procedures supersede similar procedures described in Sections 356-081-501 and 356-081-502. ***Equipment Test Lists are affected.***

APPARATUS

Receiving Test Equipment (Section 356-010-500) having the following characteristics:

Frequency: 308 to 8320 kHz

Power: −1.0 dBm

Impedancce: 75 ohms

P2BC Cord

STEP	PROCEDURE
1	Calibrate the receiving test equipment (RTE) for a 75-ohm terminated measurement of −1.0 dBm at the frequency being measured (Fig. 1).
2	Make patch (1), Fig. 1 for the frequency being measured.
3	Read the RTE measurement. ***Requirement:*** −1.0 dBm
4	If the requirement of Step 3 is not met, adjust the OUTPUT potentiometer on the 57A oscillator under test to meet the requirement.
5	Repeat Steps 1 through 4 for the remaining frequencies.
6	Connect the No. 1 outputs of the 57A oscillator to the pilot distributing panel per SD-59639-01 (Fig. 1).

STEP	PROCEDURE
7	Momentarily operate the START key through the grid on the miscellaneous power panel associated with the 57A oscillator to assure regulation of the oscillator.
8	Measure and adjust pilots at the PIL TST jack per Section 356-180-502 covering the performance of the pilot distributing circuit.
9	Perform tests in Section 356-179-501 pertaining to the pilot combining circuits.
10	Perform tests per Section 356-176-501 covering the operational check of the emergency pilot alarm control circuit. *Note:* Where it is required that the pilot generator be disabled, merely unplug the cable from the No. 1 output of the 57A oscillator.

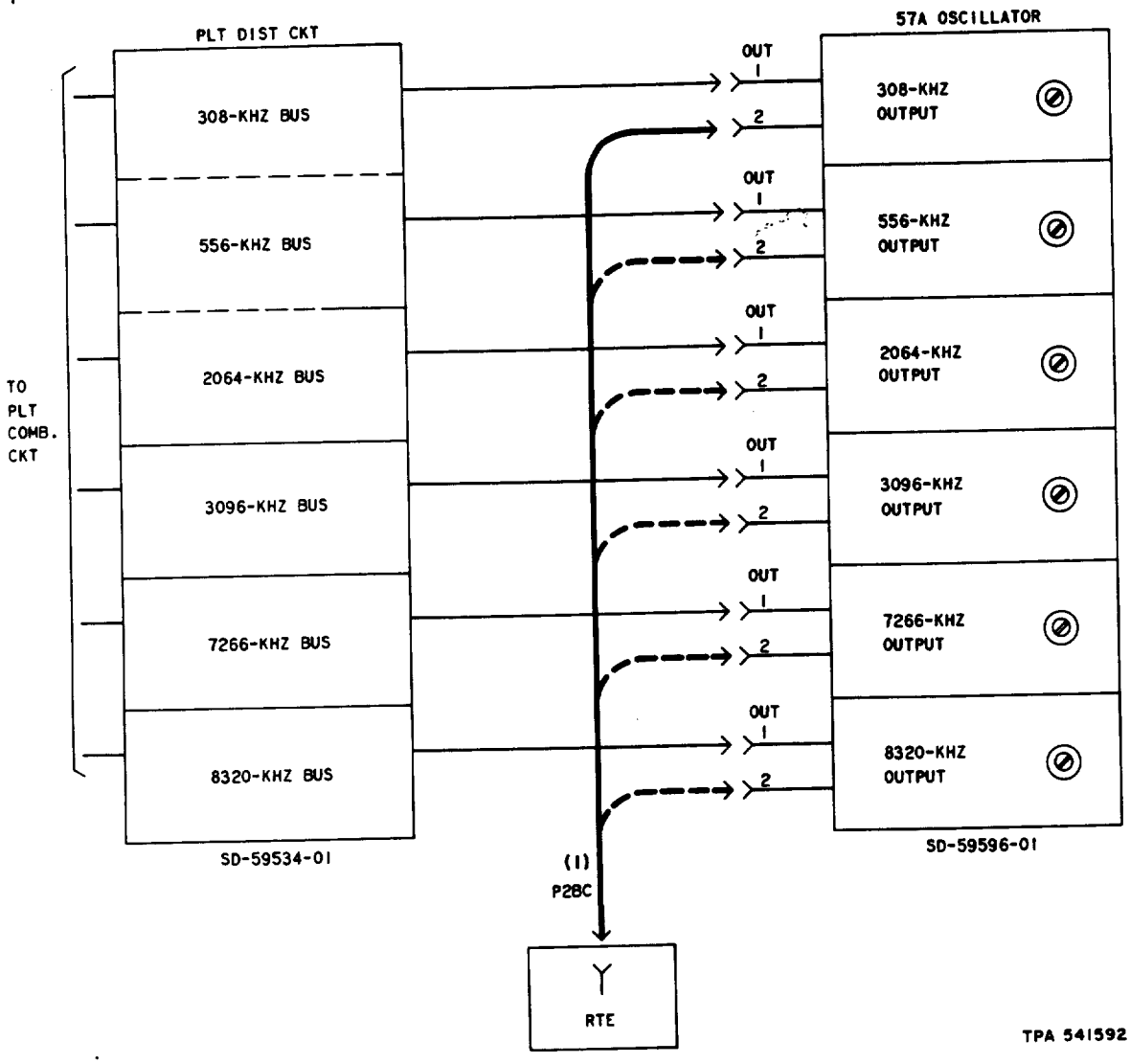

Fig. 1—Emergency Pilot Supply Using 57A Oscillator—Connecting and Measuring Patches