

DIGITAL TRACKING

AFTER OFFSET IS ADJUSTED (AS PER CALIBRATION PROCEDURE), INJECT A 1 KHz SIGNAL AT INPUT JACK, PROBE ENCODE TEST POINT AND ADJUST INPUT LEVEL FOR 100mV P-P, PROBE DECODE TEST POINT ON CHANNEL 2, THEN ADJUST DECODE TRIMMER UNTIL AMPLITUDES ARE EXACTLY MATCHED, THEN SLOWLY INCREASE INPUT LEVEL AND WATCH THAT BOTH SIGNALS RETAIN THE SAME SIGNAL AMPLITUDE, THIS WILL VERIFY PROPER ENCODE/DECODE TRACKING.

IF UNIT IS NOT TRACKING PROPERLY CHECK AND/OR REPLACE THE FOLLOWING PARTS IN THIS ORDER:

1. 1000pf POLYFILM CAPACITORS MATCHED IN VALUE TO .01% OR BETTER
2. 1uf TANTALUM CAPACITORS MATCHED IN VALUE TO .01% OR BETTER
3. CD4028 MATCHED VENDOR AND DATE-CODE
4. CD4066 (OR 4053 IN 2FX) MATCHED VENDOR AND DATE-CODE
5. TL072 MATCHED VENDOR AND DATE-CODE (N/A TO 2FX)
6. LF347 SUBSTITUTED FOR TL074 (2FX ONLY)

