7.4 T3000-7100 Calibration Kit

The T3000-7100 contains the following items:

- Calibration software on a 3½″ diskette.

- T3000 calibration software user's guide IPN 439-37100-0X.

- T3000-7300 calibration cable. One end is fitted with an accessory connector, and the other has a 15 way socket.

- T3000-7600 battery eliminator. This supplies +7.2V for the radio from a benchtop variable power supply and provides protection and filtering. The input leads are fitted with banana plugs.

- T3000-74000 RF test lead. Refer to Section 7.7, "T3000 Test Leads".

- T3000-75000 open radio control lead. Refer to Section 7.7, "T3000 Test Leads".

- X3000-19 programming lead. One end is fitted with a 25 pin serial port plug and the other has a telephone style plug.

- T3000 calibration test unit. This unit consists of a speaker and an 8Ω load for the radio speaker outputs and a 600Ω balun, with inputs connected to each end of the load. There is a 15 way RS232 type connector provided and connectors for the modulation audio inputs, the programming lead and the speaker inputs from the radio. BNC connectors are used to connect test equipment.

  Refer to the calibration test unit circuit diagram on the following page for wiring details.

  Note that the numbering of PL1 in the calibration test unit does not match that of the T3000 accessory connector. For accessory connector numbering, refer Section 3.4 "Accessory Connector", or to the appropriate control PCB circuit diagram in Section 6.

7.4.1 T3000-7200-002 Upgrade Package

The T3000-7200-002 is intended to upgrade existing T3000-7100 calibration kits with the latest software and documentation. The T3000-7200-002 contains the following items:

- Calibration software on a 3½″ diskette.

- T3000 calibration software user's guide.

M3000-00

SPEAKER

SINAD

TX AUDIO

RADIO

COMPUTER

15 WAY R-ANGLE ORANGE PLUG

6 WAY VERTICAL PHONE JACK
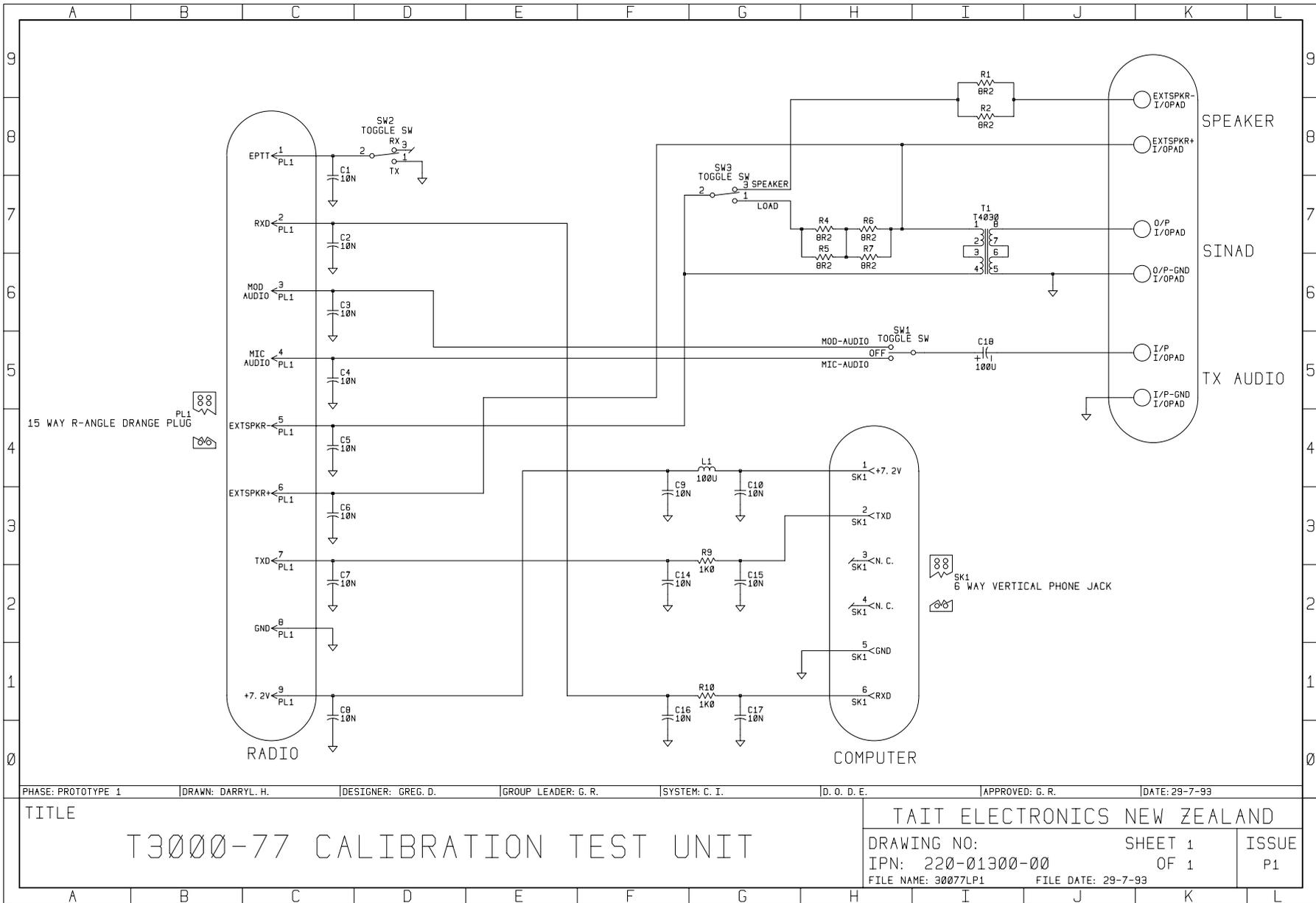
| PHASE: PROTOTYPE 1 | DRAWN: DARRYL. H. | DESIGNER: GREG. D. | GROUP LEADER: G. R. | SYSTEM: C. I. | D. O. D. E. | APPROVED: G. R. | DATE: 29-7-93 |

TITLE

T3000-77 CALIBRATION TEST UNIT

TAIT ELECTRONICS NEW ZEALAND

DRAWING NO:
IPN: 220-01300-00
FILE NAME: 30077LP1   FILE DATE: 29-7-93

SHEET 1
OF 1

ISSUE
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