

## 70-1083 PROGRAMMING JUMPER PLUG

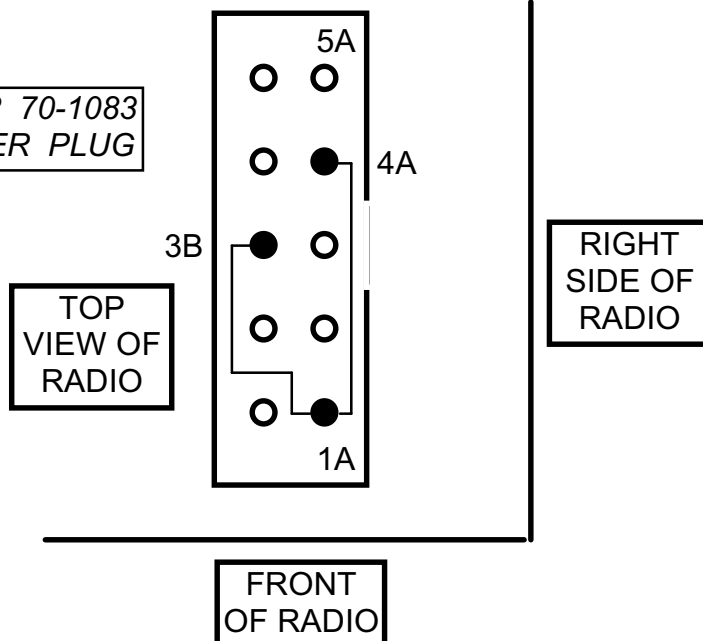
The 70-1083 Programming Jumper Plug allows transmit parameters to be programmed from the front panel of the Syntech XTR without the use of the 70-1080A Programmer

1. Connect the radio to a power source and test equipment as described under the transmitter alignment procedure of the preliminary service information or service manual.
2. Turn the radio on. Lift the rubber programmer port cover and insert the 70-1083 plug. Make sure that the keyed side is inserted towards the right side of the radio.
3. Press and hold the PTT bar. Press the first switch to the right of the channel display (normally labelled MON). The channel display will change from the previously displayed channel to a "1". This indicates that the first parameter (**maximum deviation**) can be adjusted.
4. With the appropriate audio signal input to the microphone circuit, monitor the transmitter deviation on connected test equipment and rotate the channel selector to the left or right to achieve the desired level, not to exceed 5 kHz.
5. When complete, press MON again, and a "2" will be displayed, which indicates **normal RF power** may be adjusted. This power level will apply to all channels not programmed for low power. Rotate the channel selector to the desired level.
6. When complete, press MON again, and a "3" will appear. The **low power level** can now be adjusted, which will apply to all channels programmed for low power.
7. When complete, press MON again, and a "4" will appear. The **oscillator may now be trimmed** to the correct frequency if necessary.
8. When complete, press MON again, and the original channel number will appear. Now PTT can be released and the 70-1083 removed.

**NOTE:** PTT can be released at any time without loss of entered adjustments. If this is done, the channel display will revert to the originally selected channel, but the unit is still in test mode. When the unit is keyed again, adjustments can be made again. When MON is pressed again, the channel number will be replaced with the number representing the next adjustment step.

**NOTE:** The unit MUST be cycled back to the original channel number with MON (step 8 above) before the adjustments will be written to the radio EEPROM, even if adjustments are not made on some parameters. If the 70-1083 is removed before this is done, the entered adjustments are lost.

WIRING DIAGRAM FOR 70-1083  
PROGRAMMING JUMPER PLUG



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