

IC-M700 Loss of modulation.

The situation looks like confuse. The Voltage of 3.8Vdc coming from the Tx is low as 2.0Vdc. The micro circuit not appears on the Owner Manual near on the Service Manual. Ask me for an E-mailed hand made diagram and PCB parts positions. The Mic is an HM-28 model but attached to the transceiver.

If any one locate an original diagram and pictured parts positions please contact me, I will accept your facility to give me a copy.

If you have a loss of audio modulation is because the 3.8Vdc that come from the Tx is low as 2.0Vdc instead of 3.8Vdc. Some electrolytic capacitors drain over current, are week or was polarity reversed. Revision of circuits and parts will be considered. If the current drain is high the voltage drops down. Do not try to locate the defect internally on the transceiver when this loss of voltage will not return to 3.8Vdc measured on the MIC-C Unit Connector J1303-Pin 5. Also see if Jumper W1301 was correctly jumping the capacitor C1306 (2.2uFds). This is to permit that DC Volts will go to the Mic amplifier inside the hand Mic Box. Also see for good conduction of L1305/L1306 on the MIC-C unit. If possible replace all electrolytic on the MIC BOX by a Tantalum polarized type capacitors for long life. More facility is to disconnect the J1303 Mic connector and see if voltage returns to 7volts, at circuit open. If ok, go to the MIC box and proceed as indicated on top.

Good luck

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