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Bay Area Compliance laboratory.
1274 Anvilwood Ave.
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RE: Midland Model 77-321 changes in PCB

The changes are found in the Transmitter audio input circuit.

Old circuit	New circuit
Audio through L26 to C179@1000pF	Audio through R60@4.7k ohms to C179 @ 4700pF
From there through L25 and R135 @ 0 ohms	From there through R135 @ 4.7k ohms
To AM and FM modulator inputs C92 and R120	To C77 @ 0.1 uF to gnd and R62 @ 470 Ohms to gnd.
	To AM and FM modulator inputs C92 and R120

The new circuit reduces the input level received from the head unit and provides some roll-off of high frequency noise. Testing in the field indicated that the overall microphone gain was too high causing noise pickup and reduced intelligability. The deleted inductors were intended to guaranty EMC and static discharge compliance. The resistors that were substituted provide the same protection.

Thomas L. Bishop, Design engineer

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