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TECH-NIQUE

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A communication of vital interest to every Courier dealer

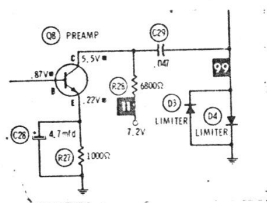
S-231

December 6, 1973

SUBJECT: CHIEF-23 FM NOISE - (EARLY PRODUCTION UNITS
PRIOR TO 1/1/71)

To improve the noise during FM monitoring, a noise limiter circuit is to be added to the audio preamplifier output Q8.

Two IN-295 Diodes back to back are connected from the output of C-29 (.047 MFD) to ground. See diagram below (D3 & D4).



ADD (2) IN-295
(COURIER PART #DI-2)

The operation of FM equipment in mobile applications will normally require good noise suppression techniques.

The most common source of noise will be the vehicle electrical system, and in general, the ignition system. It is recommended that spark plug suppressors and resistance wire be employed in the vehicle ignition system.

The use of by-pass capacitors at the ignition coil, alternator, and voltage regulator will greatly reduce interfering noises. These capacitors should be of the coaxial-noninductive type and typically 0.1 or 0.5 uf in value.

In all cases, good grounding and bonding practices are essential to noise reduction.

Ray Dashner
Ray Dashner
Customer Service Mgr.

RD:rt