

S E R V I C E N O T E

SUPERSEDES
NoneHP 3960 ANALOG TAPE RECORDER
PREVENTIVE MAINTENANCE ROUTINE

This service note is to clarify Preventive Maintenance Procedures for 3960 Analog Tape Unit. Correct maintenance procedures are covered in the appropriate section in the 3960 manual.

The important PM considerations are:

1. Prevent Oxide build up in the transport tape path thus minimizing wear.
2. Keep the recorder clean
3. Demagnetizing heads and tape path to prevent inducing harmonic distortion.
4. Insure the electronics are functioning to published specifications.
5. Prevent catastrophic failures

The 3960 should be cleaned at the beginning of each eight hour shift by the operator. See operator maintenance procedures - 3960-10 Service Note. The maintenance procedure, below, is scheduled on a quarterly basis.

1. Clean and inspect heads for oxide build up and wear.
Use HP head cleaner (HP 8500-0810) or denatured alcohol.
2. Check knobs and switches for proper operation.
3. Inspect lights for proper illumination.
4. Degauss heads and tape path. Refer to Section VII of the 3960 Manual for procedure.
5. Check supply voltages (under load).

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For more information, call your local HP Sales Office or East (201) 261-5000 • Midwest (312) 677-0400 • South (404) 436-6101
West (213) 877-1282. Or, write: Hewlett-Packard, 1501 Page Mill Road, Palo Alto, California 94304. In Europe, 1217 Meyrin, Geneva.

6. Check meter calibration (mechanical, DC, and peak zero).
7. Check pinchroller and brake solenoid for smooth and proper operation. If sluggish - clean plunger and if necessary, lubricate with dry lubricant such as S-122 fluorocarbon (Miller-Stephenson Chemical Co.), Zepar Silicon Spray (Zep Mfg. Co.) or equivalent.
8. Check brake operation to insure that both brakes release properly.
9. Using freshly degaussed tape, check machine to performance specifications (refer to Section V of the 3960 Manual) and align if necessary.
10. Using liquid glass cleaner, clean the outside painted surfaces including window.

Every nine months, lubricate the reel revolution counter with one drop of instrument oil.