

April 27, 1965

Mr. L. P. Columbus

On investigation of the "slow" tape playback units in the track cars, it was found that the bearing on the pulley end of the motor was not lubricated sufficiently. This caused the unit to be approximately 17 seconds slow at the end of the ride. Corrective action was taken by oiling the bearing and capstan pinch roller (20 units). We took out 33 new units from the stores crib, which are being installed in the cars, along with the 20 repaired units. The defective units will be brought into the sound room for corrective action. It will be necessary to lubricate them. They should be run with a milleamp meter in series with the unit and they should not draw any more than 250 to 300 Ma. at 12 Volts, with the tape in the unit. It may surge to 325 Ma. with voice signal, depending on the amount of volume level.

Twenty (20) units repaired and thirteen (13) installed in cars at 3:00 A.M. First shift is continuing installing in cars. There were 55 "slow" units in the cars at 10:00 P.M.

*H. J. Endres*  
H. J. Endres

*Bill*  
*It was necessary for*  
*Endres to work 2 1/2 hrs.*  
*overtime last night on this*  
*job.*  
*L. P. C.*  
*4/27/65*